

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142571.D
 Acq On : 30 May 2025 15:50
 Operator : RC/JU
 Sample : Q2150-09MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-54MS

Quant Time: May 30 16:31:25 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	123670	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	460723	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	236866	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	378954	20.000	ng	0.00
76) Chrysene-d12	14.074	240	208599	20.000	ng	0.00
86) Perylene-d12	15.568	264	243037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	637889	86.900	ng	0.00
7) Phenol-d6	6.528	99	794110	89.870	ng	0.00
23) Nitrobenzene-d5	7.463	82	467633	55.347	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	242888	92.391	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	929576	52.661	ng	-0.01
79) Terphenyl-d14	13.010	244	783393	51.321	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	109776	37.372	ng	99
3) Pyridine	3.505	79	302573	40.450	ng	98
4) n-Nitrosodimethylamine	3.463	42	160959	41.443	ng	92
6) Aniline	6.563	93	316940	26.676	ng	99
8) 2-Chlorophenol	6.681	128	338147	42.293	ng	98
9) Benzaldehyde	6.445	77	193731	36.452	ng	97
10) Phenol	6.540	94	406216	40.856	ng	100
11) bis(2-Chloroethyl)ether	6.634	93	301601	42.140	ng	99
12) 1,3-Dichlorobenzene	6.840	146	367071	41.143	ng	98
13) 1,4-Dichlorobenzene	6.916	146	369977	41.168	ng	99
14) 1,2-Dichlorobenzene	7.069	146	353989	41.165	ng	98
15) Benzyl Alcohol	7.040	79	268961	41.189	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	496978	41.349	ng	97
17) 2-Methylphenol	7.151	107	258669	41.437	ng	99
18) Hexachloroethane	7.410	117	128740	41.025	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	218260	39.855	ng	99
20) 3+4-Methylphenols	7.304	107	322695	40.368	ng	96
22) Acetophenone	7.310	105	427657	41.931	ng	99
24) Nitrobenzene	7.481	77	329801	43.279	ng	99
25) Isophorone	7.722	82	584319	41.364	ng	98
26) 2-Nitrophenol	7.798	139	182519	44.825	ng	97
27) 2,4-Dimethylphenol	7.834	122	308400	42.948	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	371689	42.120	ng	100
29) 2,4-Dichlorophenol	8.040	162	279177	42.751	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	306167	43.200	ng	98
31) Naphthalene	8.204	128	949468	41.853	ng	100
32) Benzoic acid	7.951	122	196256	44.899	ng	98
33) 4-Chloroaniline	8.251	127	83788	9.115	ng	97
34) Hexachlorobutadiene	8.322	225	184383	41.667	ng	99
35) Caprolactam	8.622	113	60151	32.796	ng	98
36) 4-Chloro-3-methylphenol	8.734	107	276787	41.358	ng	97
37) 2-Methylnaphthalene	8.898	142	586972	41.127	ng	100
38) 1-Methylnaphthalene	8.998	142	601058	40.715	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	300567	44.205	ng	99
41) Hexachlorocyclopentadiene	9.051	237	370150	80.699	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	199554	43.524	ng	98

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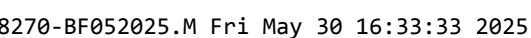
Instrument :
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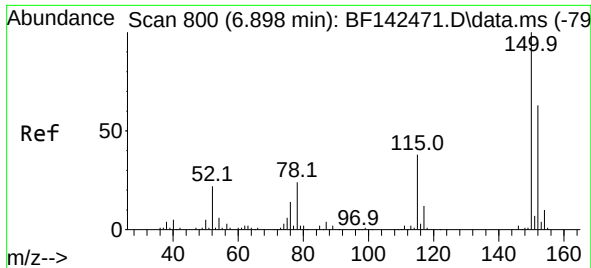
Quant Time: May 30 16:31:25 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	209342	43.293	ng	97
46) 1,1'-Biphenyl	9.363	154	792558	43.129	ng	100
47) 2-Chloronaphthalene	9.386	162	588404	43.338	ng	99
48) 2-Nitroaniline	9.481	65	166305	42.377	ng	97
49) Acenaphthylene	9.804	152	978892	42.698	ng	100
50) Dimethylphthalate	9.663	163	676381	43.277	ng	99
51) 2,6-Dinitrotoluene	9.722	165	148602	44.053	ng	97
52) Acenaphthene	9.975	154	643854	45.992	ng	100
53) 3-Nitroaniline	9.886	138	67401	18.294	ng	99
54) 2,4-Dinitrophenol	9.998	184	161261	92.532	ng	92
55) Dibenzofuran	10.145	168	849661	42.177	ng	99
56) 4-Nitrophenol	10.051	139	237434	87.339	ng	97
57) 2,4-Dinitrotoluene	10.128	165	197146	44.751	ng	99
58) Fluorene	10.492	166	644831	41.433	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	171201	42.410	ng	100
60) Diethylphthalate	10.357	149	637907	41.791	ng	100
61) 4-Chlorophenyl-phenyle...	10.481	204	318453	41.653	ng	97
62) 4-Nitroaniline	10.504	138	141774	42.427	ng	98
63) Azobenzene	10.639	77	611242	44.583	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	103049	48.726	ng	98
66) n-Nitrosodiphenylamine	10.598	169	566216	43.673	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	192434	42.946	ng	99
68) Hexachlorobenzene	11.039	284	213538	43.087	ng	98
69) Atrazine	11.128	200	164223	47.696	ng	99
70) Pentachlorophenol	11.233	266	235596	84.200	ng	99
71) Phenanthrene	11.451	178	847323	41.839	ng	100
72) Anthracene	11.504	178	875823	42.374	ng	100
73) Carbazole	11.657	167	742117	42.000	ng	99
74) Di-n-butylphthalate	11.986	149	879121	45.454	ng	100
75) Fluoranthene	12.645	202	773487	40.874	ng	99
77) Benzidine	12.763	184	265343	34.182	ng	99
78) Pyrene	12.874	202	751841	38.637	ng	100
80) Butylbenzylphthalate	13.486	149	280690	52.203	ng	99
81) Benzo(a)anthracene	14.063	228	612892	44.000	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	92517	21.898	ng	99
83) Chrysene	14.098	228	536134	42.835	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	383177	55.668	ng	99
85) Di-n-octyl phthalate	14.663	149	659017	48.965	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	773974	42.419	ng	99
88) Benzo(b)fluoranthene	15.127	252	610821	42.465	ng	99
89) Benzo(k)fluoranthene	15.157	252	581284	43.147	ng	98
90) Benzo(a)pyrene	15.504	252	600806	44.312	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	634178	42.855	ng	100
92) Benzo(g,h,i)perylene	17.545	276	619254	41.838	ng	98

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

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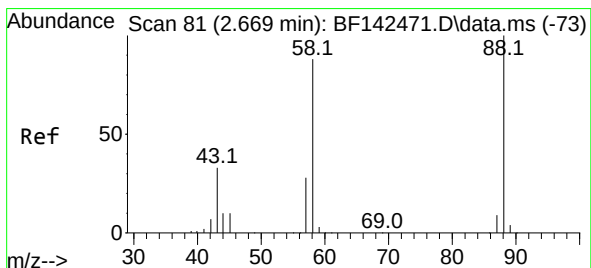
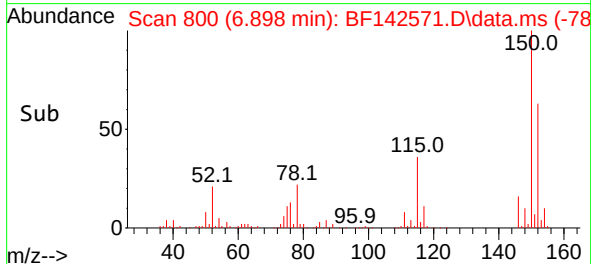
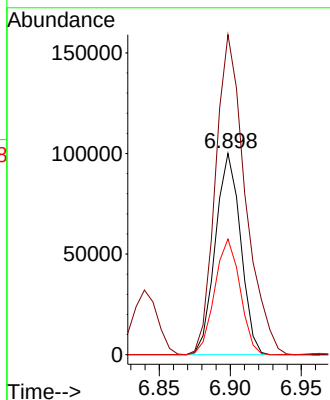
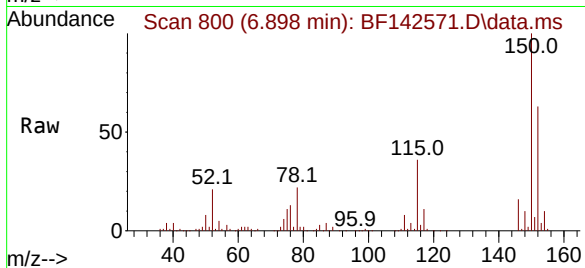




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF142571.D
 Acq: 30 May 2025 15:50

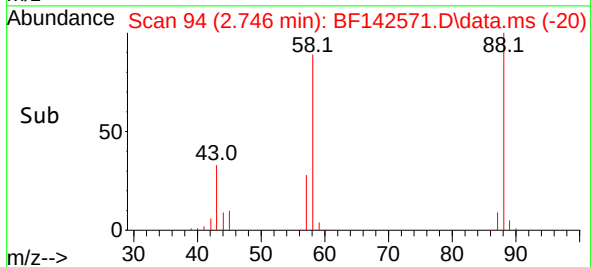
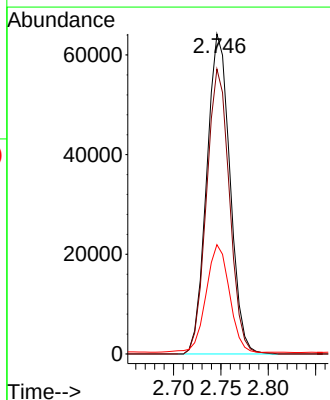
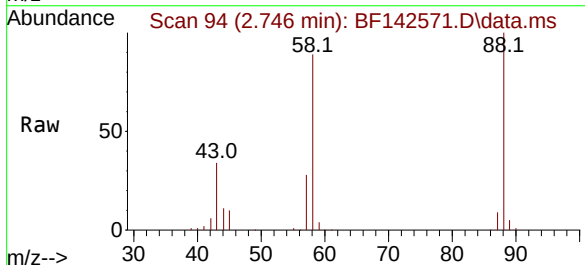
Instrument :
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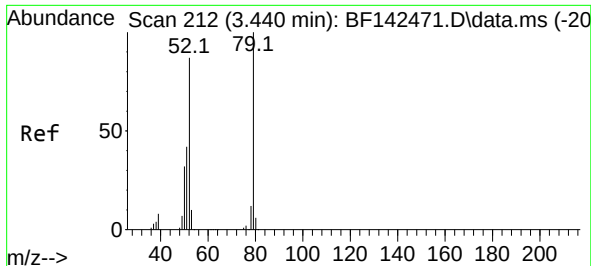
Tgt Ion:152 Resp: 123670
 Ion Ratio Lower Upper
 152 100
 150 159.0 128.2 192.4
 115 57.5 48.3 72.5



#2
 1,4-Dioxane
 Concen: 37.372 ng
 RT: 2.746 min Scan# 94
 Delta R.T. 0.083 min
 Lab File: BF142571.D
 Acq: 30 May 2025 15:50

Tgt Ion: 88 Resp: 109776
 Ion Ratio Lower Upper
 88 100
 58 87.8 70.8 106.2
 43 33.6 26.6 40.0





#3

Pyridine

Concen: 40.450 ng

RT: 3.505 min Scan# 216

Delta R.T. 0.065 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

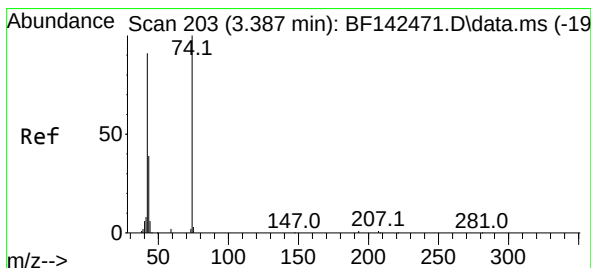
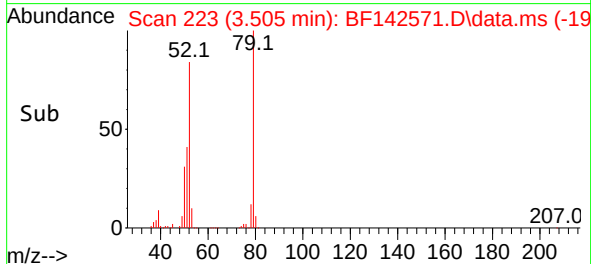
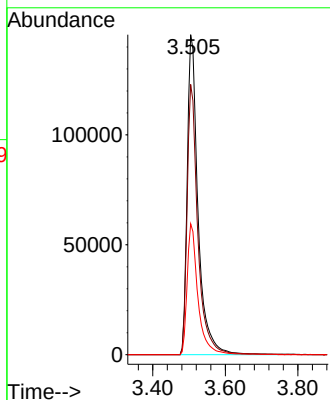
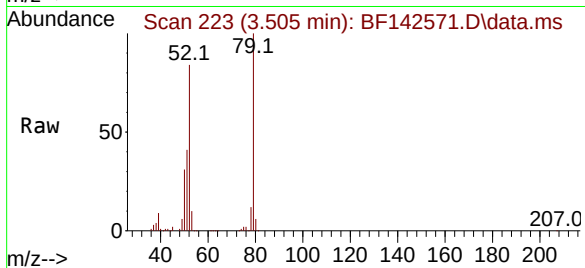
Tgt Ion: 79 Resp: 302573

Ion Ratio Lower Upper

79 100

52 84.4 69.2 103.8

51 40.9 33.3 49.9



#4

n-Nitrosodimethylamine

Concen: 41.443 ng

RT: 3.463 min Scan# 216

Delta R.T. 0.059 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

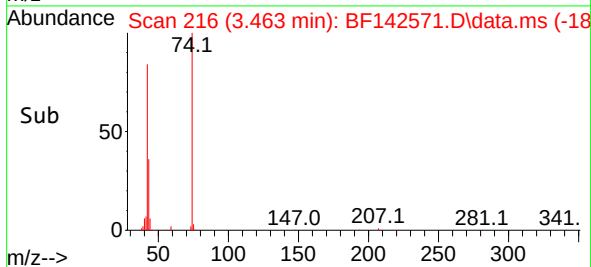
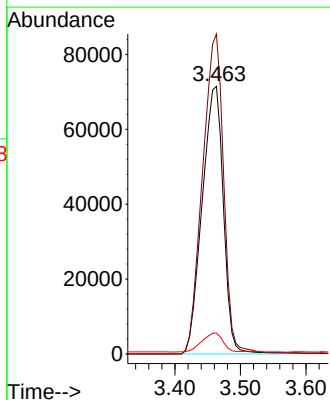
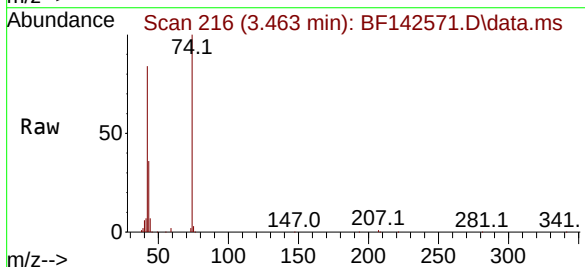
Tgt Ion: 42 Resp: 160959

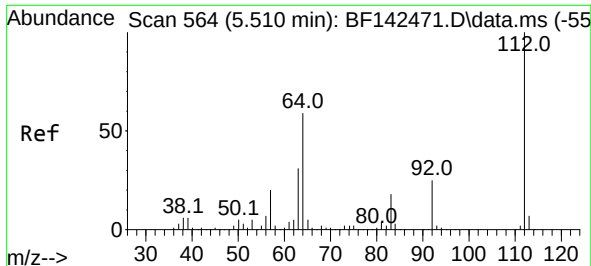
Ion Ratio Lower Upper

42 100

74 119.6 88.2 132.4

44 7.8 5.4 8.2

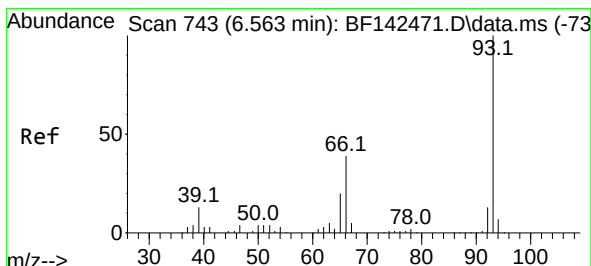
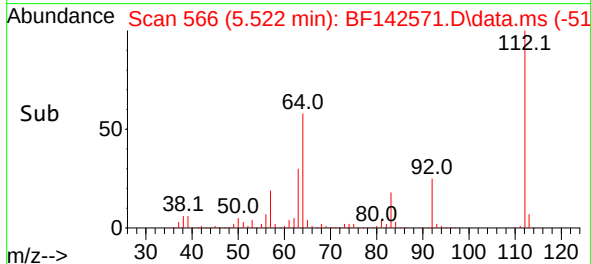
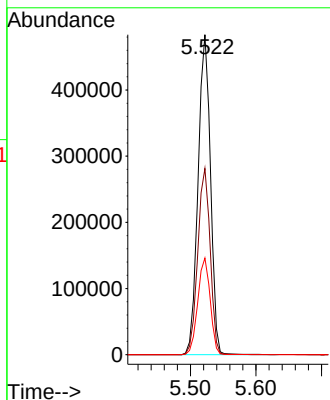
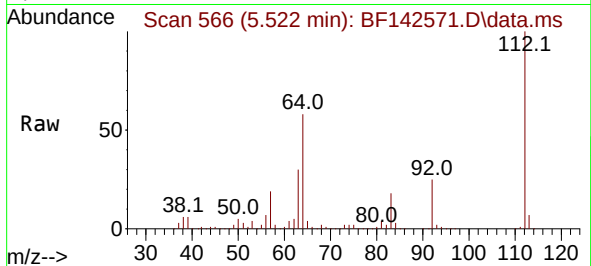




#5
2-Fluorophenol
Concen: 86.900 ng
RT: 5.522 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

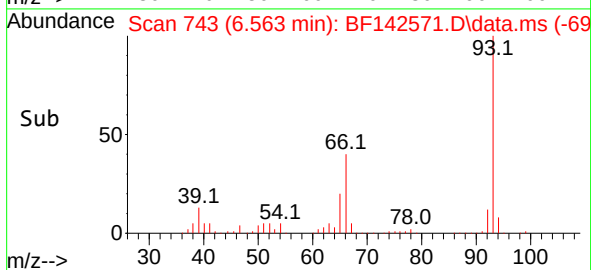
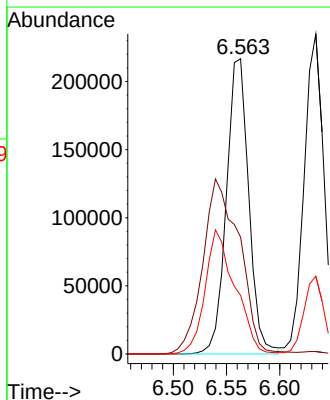
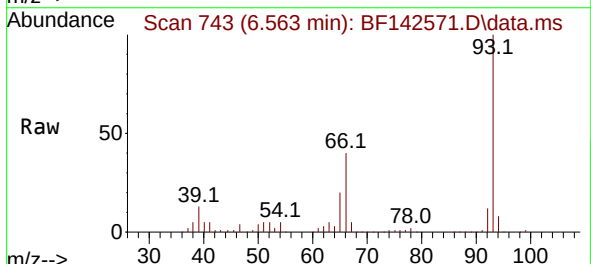
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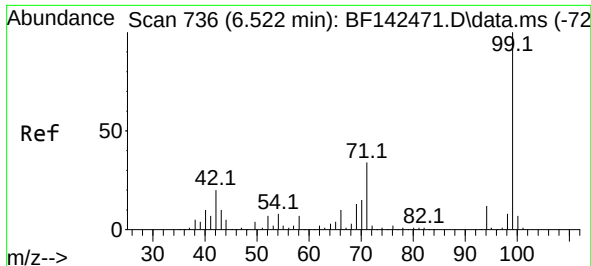
Tgt Ion:112 Resp: 637889
Ion Ratio Lower Upper
112 100
64 58.2 47.5 71.3
63 30.2 24.9 37.3



#6
Aniline
Concen: 26.676 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion: 93 Resp: 316940
Ion Ratio Lower Upper
93 100
66 39.6 32.0 48.0
65 19.8 16.1 24.1

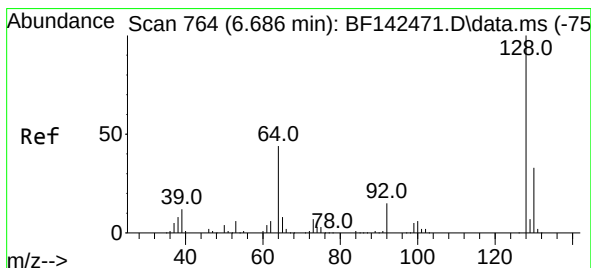
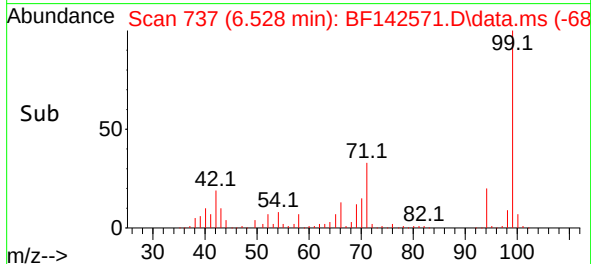
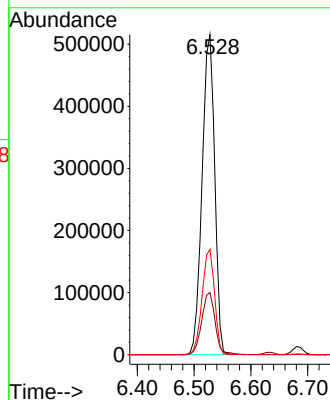
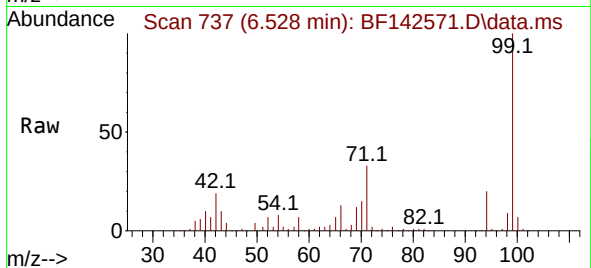




#7
Phenol-d6
Concen: 89.870 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

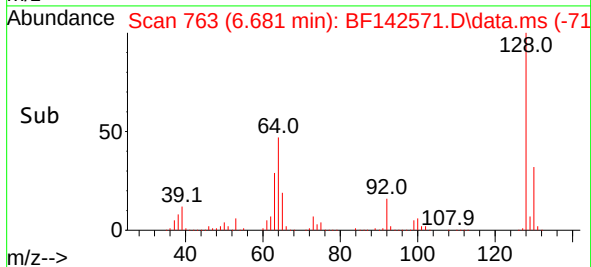
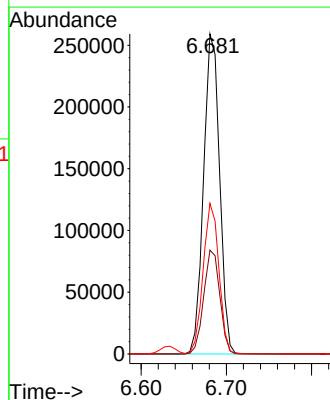
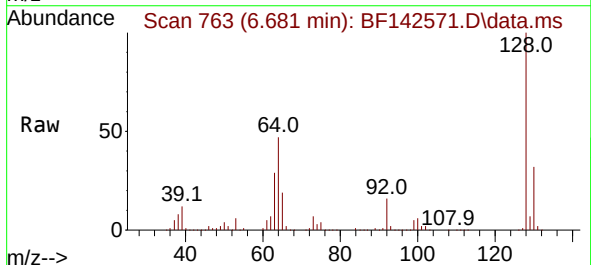
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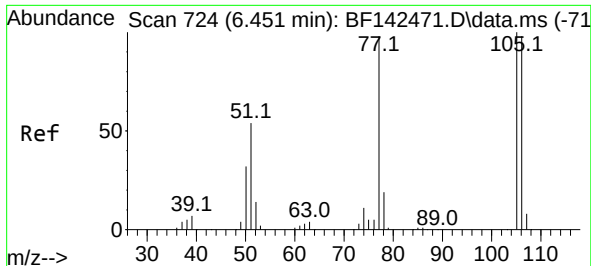
Tgt Ion: 99 Resp: 794110
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 32.9 27.3 40.9



#8
2-Chlorophenol
Concen: 42.293 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion: 128 Resp: 338147
Ion Ratio Lower Upper
128 100
130 32.5 12.6 52.6
64 47.1 25.1 65.1





#9

Benzaldehyde

Concen: 36.452 ng

RT: 6.445 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

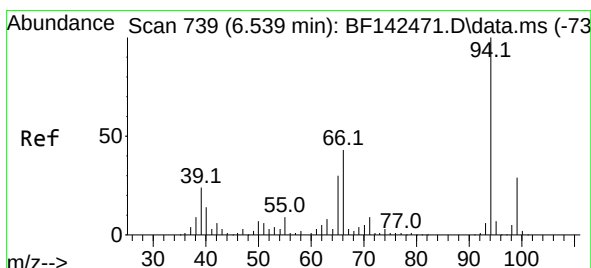
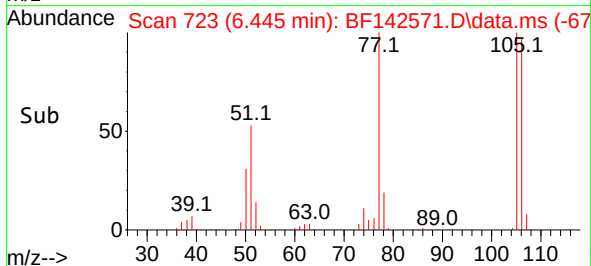
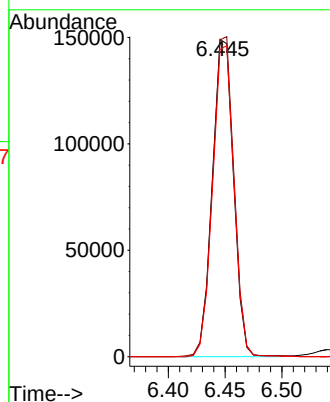
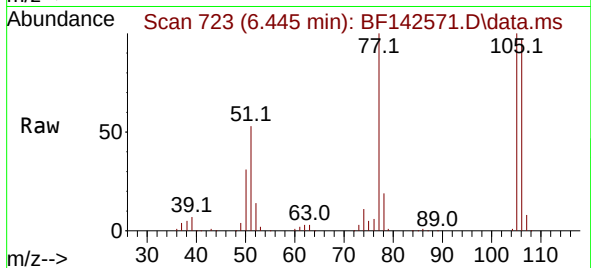
Tgt Ion: 77 Resp: 193731

Ion Ratio Lower Upper

77 100

105 99.8 82.5 122.5

106 96.8 80.0 120.0



#10

Phenol

Concen: 40.856 ng

RT: 6.540 min Scan# 739

Delta R.T. -0.012 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

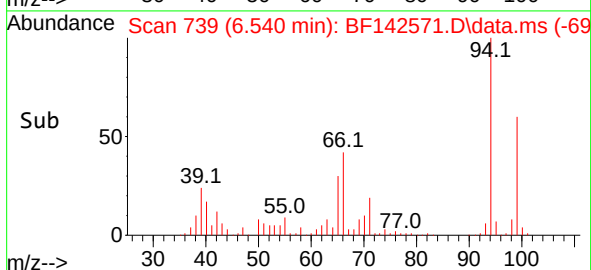
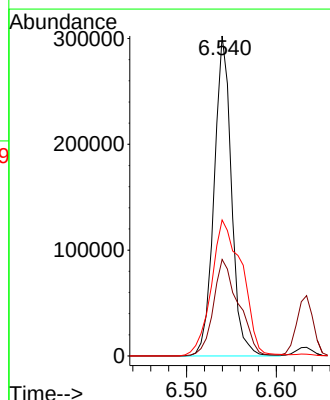
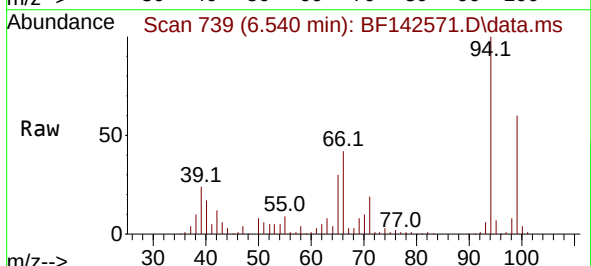
Tgt Ion: 94 Resp: 406216

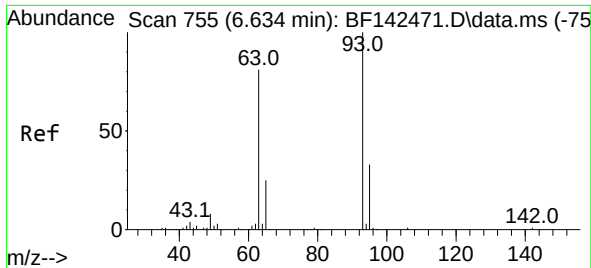
Ion Ratio Lower Upper

94 100

65 30.1 10.3 50.3

66 42.5 22.6 62.6

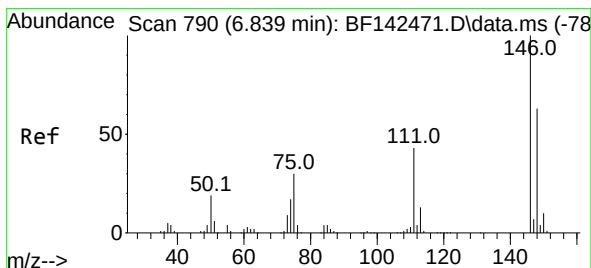
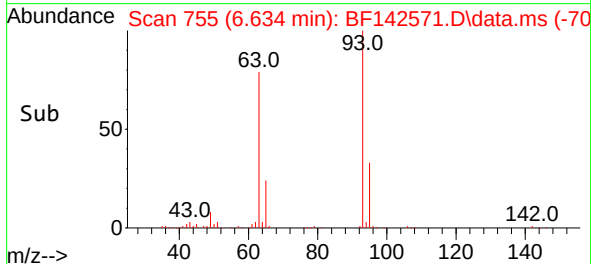
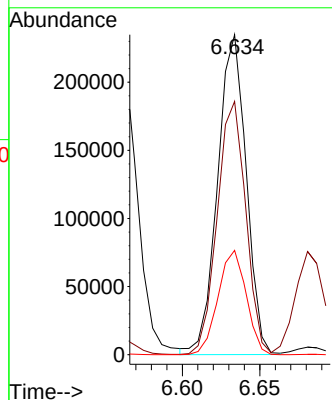
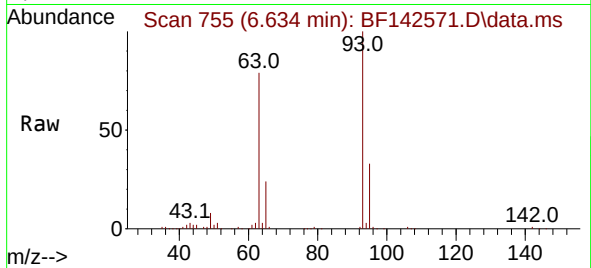




#11
bis(2-Chloroethyl)ether
Concen: 42.140 ng
RT: 6.634 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

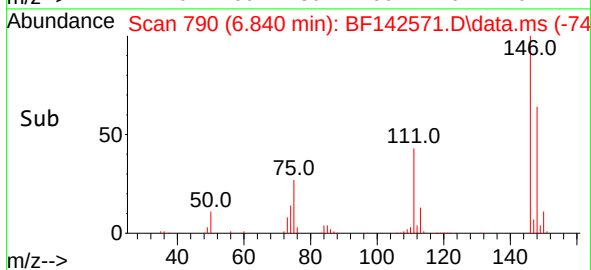
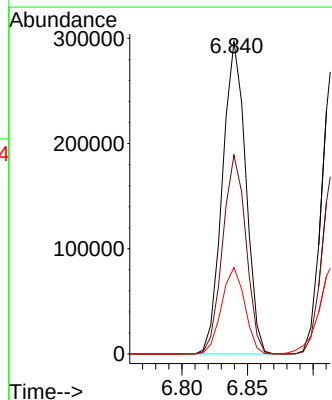
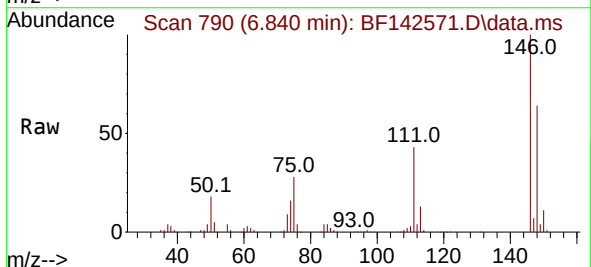
Instrument :
BNA_F
ClientSampleId :
TP-54MS

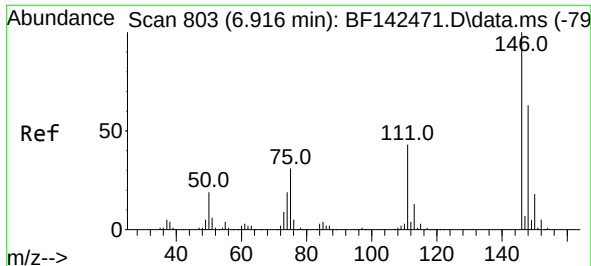
Tgt Ion: 93 Resp: 301601
Ion Ratio Lower Upper
93 100
63 79.1 60.2 100.2
95 32.6 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 41.143 ng
RT: 6.840 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:146 Resp: 367071
Ion Ratio Lower Upper
146 100
148 63.7 50.6 75.8
75 27.7 23.8 35.6





#13

1,4-Dichlorobenzene

Concen: 41.168 ng

RT: 6.916 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

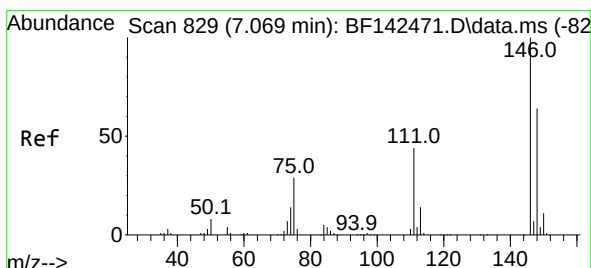
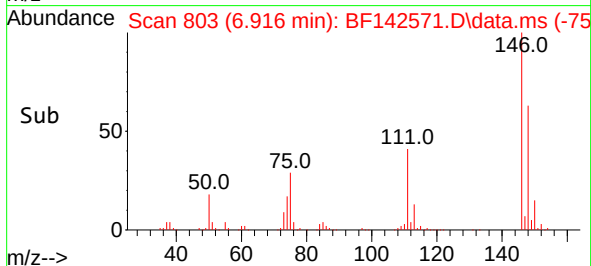
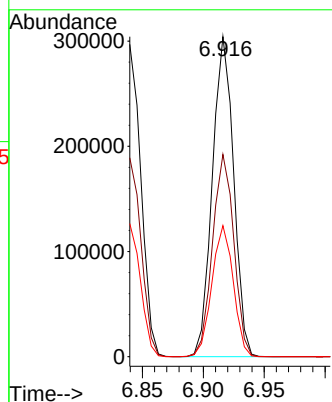
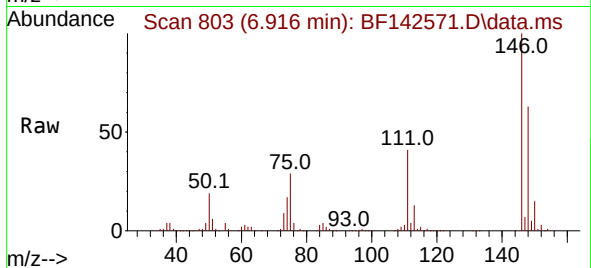
Tgt Ion:146 Resp: 369977

Ion Ratio Lower Upper

146 100

148 63.2 50.4 75.6

111 40.9 34.1 51.1



#14

1,2-Dichlorobenzene

Concen: 41.165 ng

RT: 7.069 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

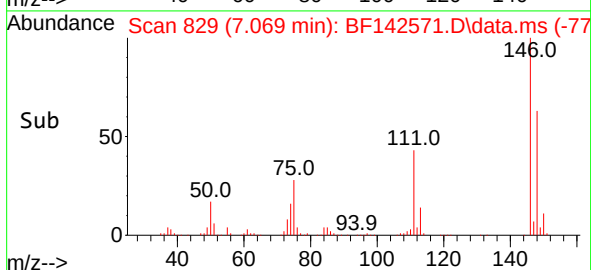
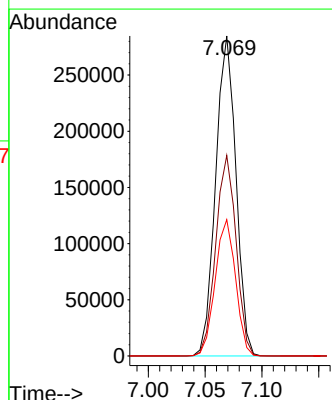
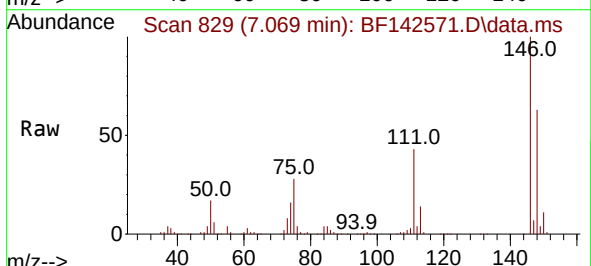
Tgt Ion:146 Resp: 353989

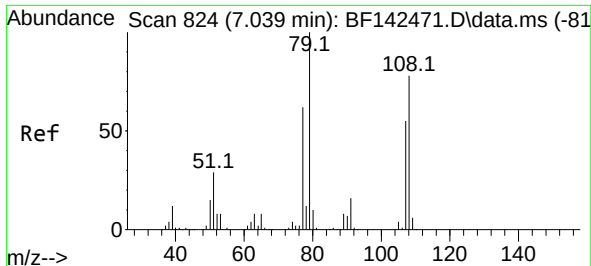
Ion Ratio Lower Upper

146 100

148 62.7 51.0 76.4

111 42.6 35.0 52.6

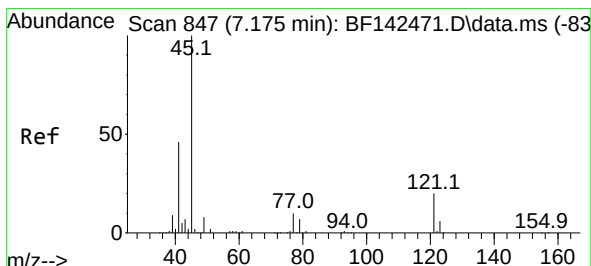
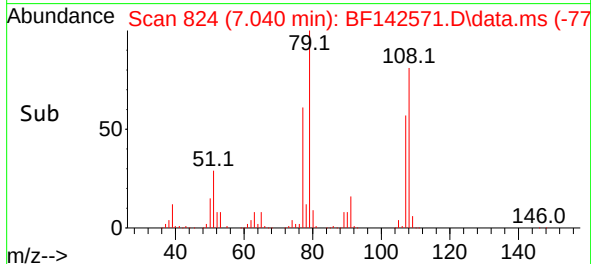
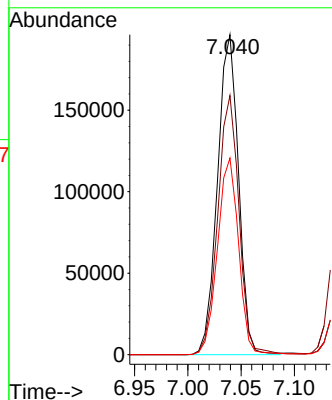
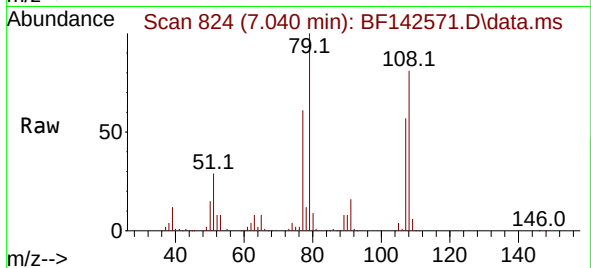




#15
Benzyl Alcohol
Concen: 41.189 ng
RT: 7.040 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

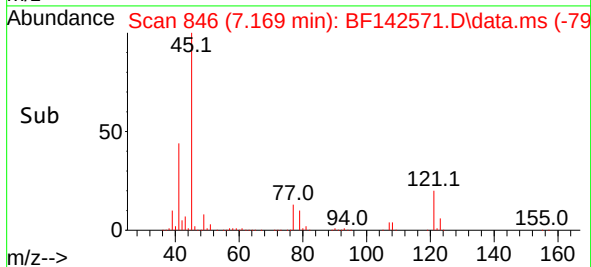
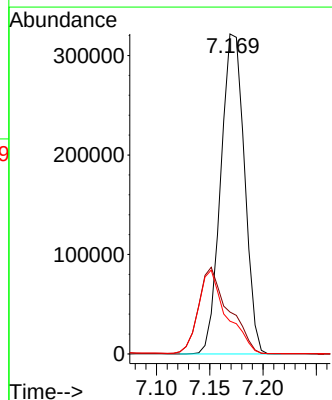
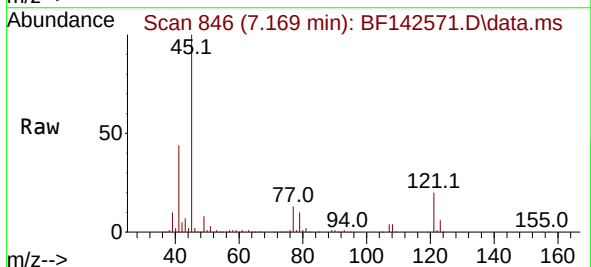
Instrument :
BNA_F
ClientSampleId :
TP-54MS

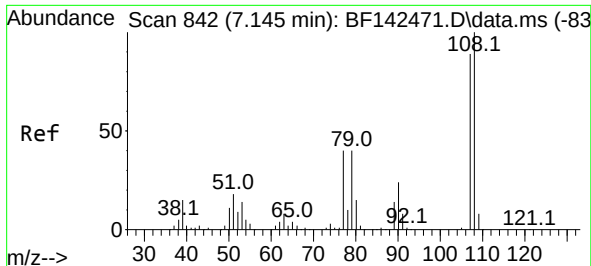
Tgt Ion: 79 Resp: 268961
Ion Ratio Lower Upper
79 100
108 81.0 62.1 93.1
77 61.4 49.5 74.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 41.349 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion: 45 Resp: 496978
Ion Ratio Lower Upper
45 100
77 13.1 0.0 32.0
79 10.2 0.0 29.2



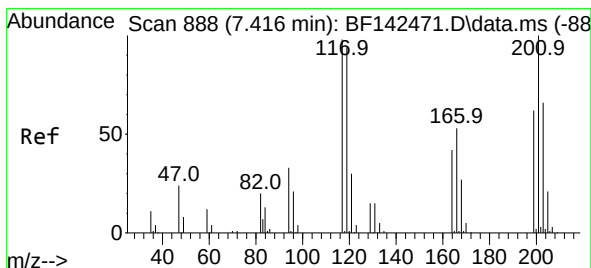
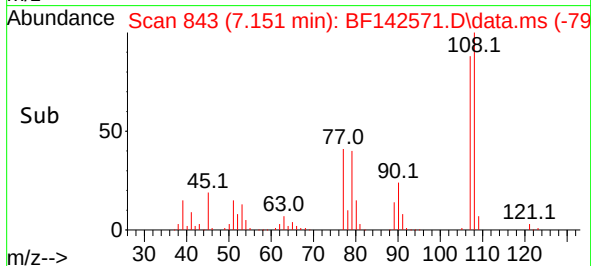
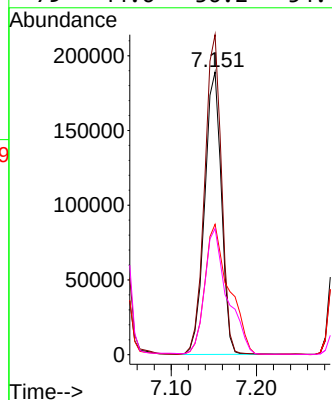
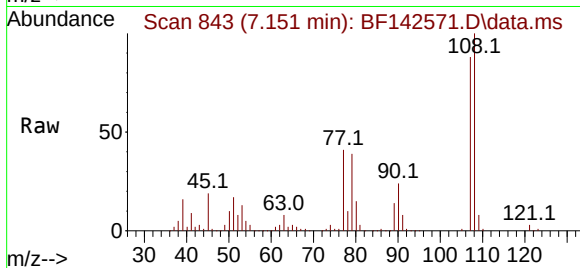


#17
2-Methylphenol
Concen: 41.437 ng
RT: 7.151 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
TP-54MS

Tgt Ion:107 Resp: 258669

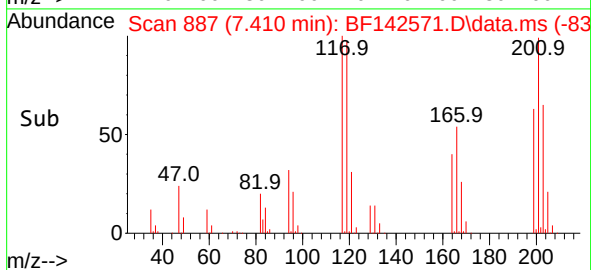
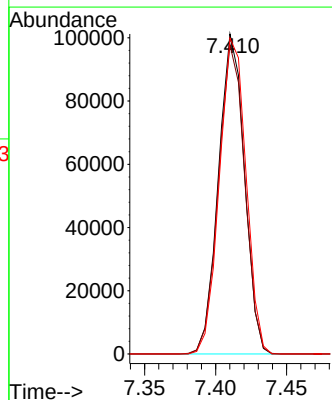
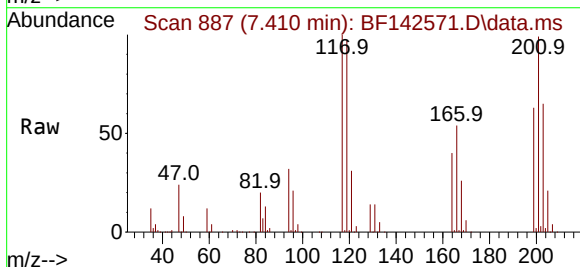
Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.2	135.2
77	46.1	36.1	54.1
79	44.6	36.2	54.4

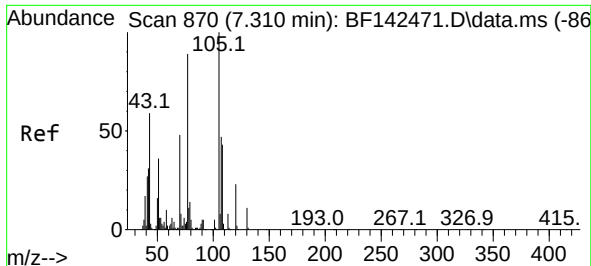


#18
Hexachloroethane
Concen: 41.025 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:117 Resp: 128740

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	114.8
201	98.7	81.3	121.9





#19

n-Nitroso-di-n-propylamine

Concen: 39.855 ng

RT: 7.310 min Scan# 870

Delta R.T. -0.017 min

Lab File: BF142571.D

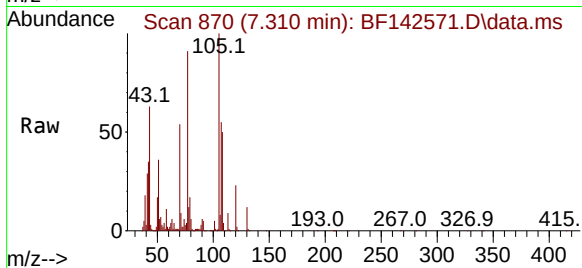
Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS



Tgt Ion: 70 Resp: 218260

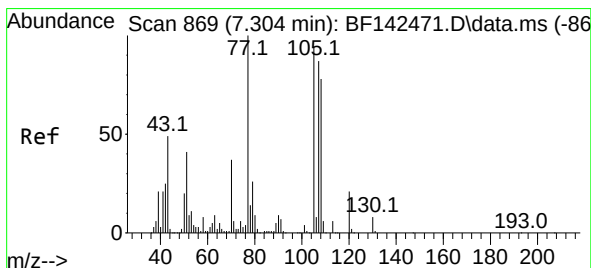
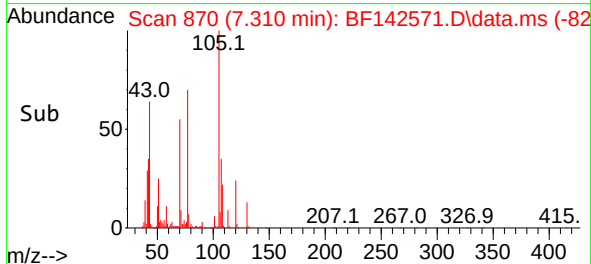
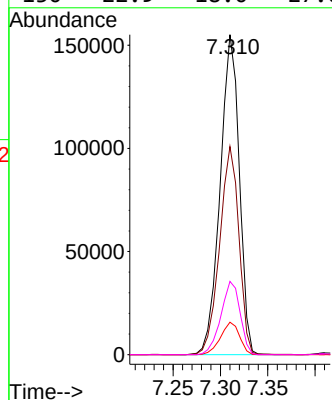
Ion Ratio Lower Upper

70 100

42 65.0 52.4 78.6

101 10.1 7.8 11.8

130 22.9 18.0 27.0



#20

3+4-Methylphenols

Concen: 40.368 ng

RT: 7.304 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Tgt Ion: 107 Resp: 322695

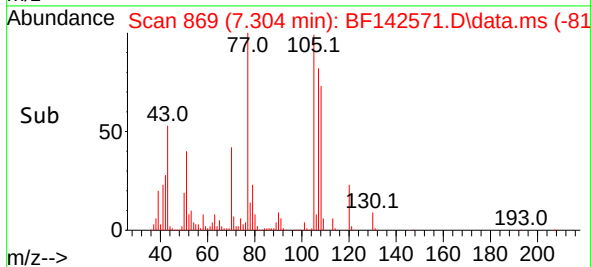
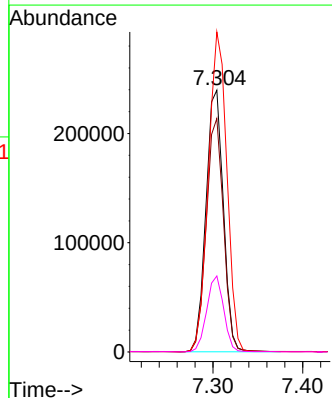
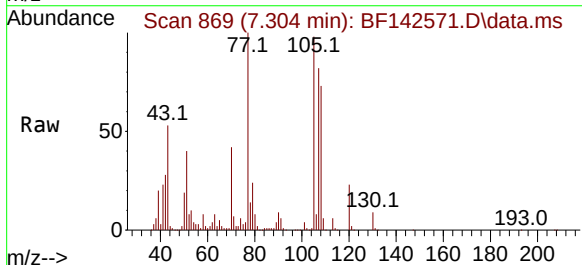
Ion Ratio Lower Upper

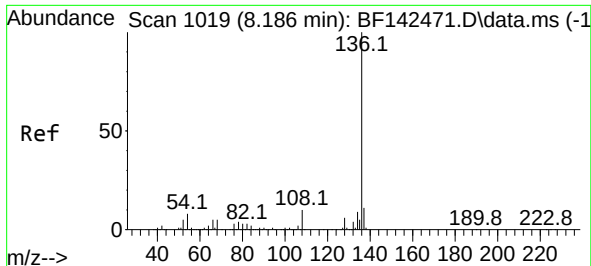
107 100

108 89.2 70.4 110.4

77 122.2 95.4 135.4

79 29.0 9.9 49.9



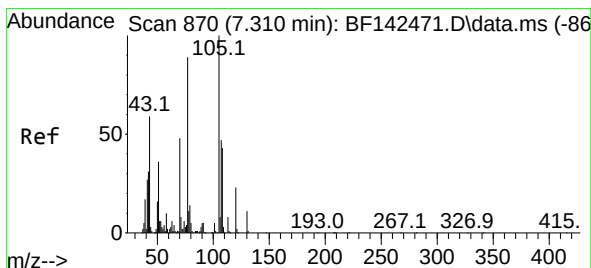
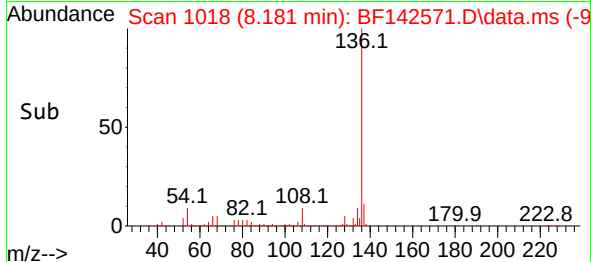
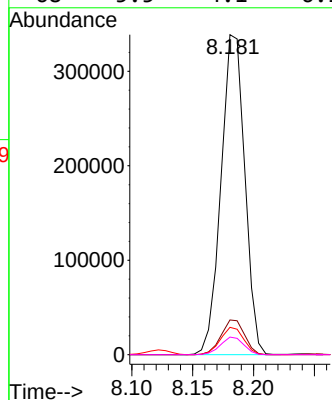
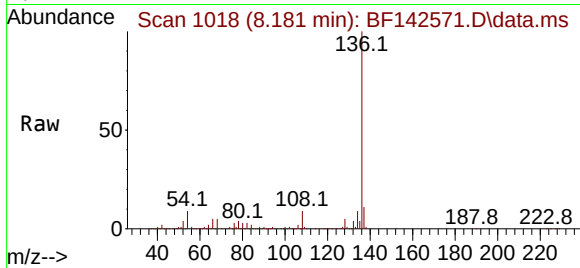


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
TP-54MS

Tgt Ion:136 Resp: 460723

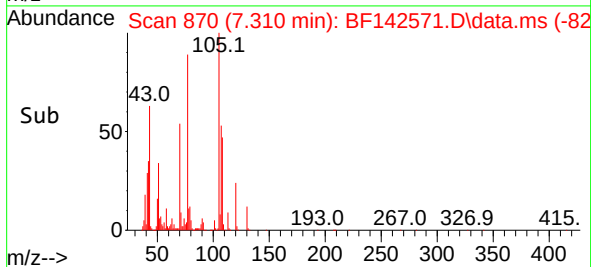
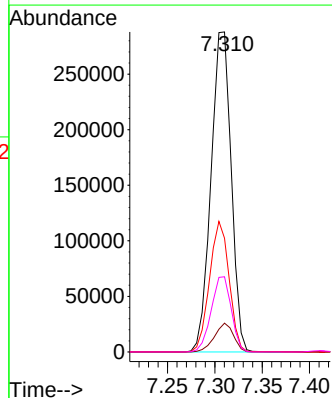
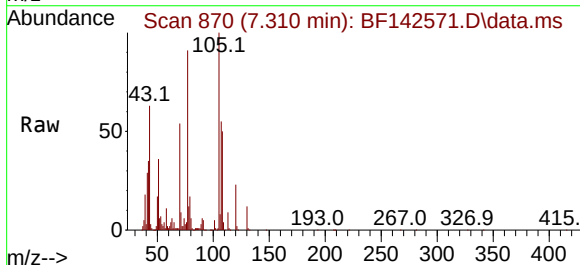
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	6.6	10.0
68	5.5	4.1	6.1

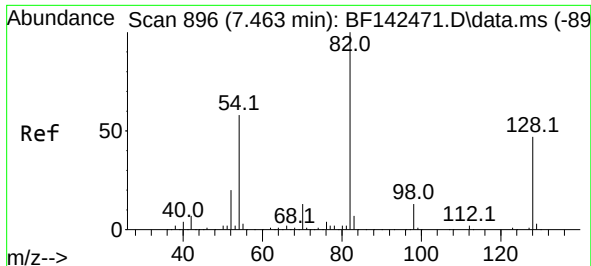


#22
Acetophenone
Concen: 41.931 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:105 Resp: 427657

Ion	Ratio	Lower	Upper
105	100		
71	9.0	6.4	9.6
51	35.6	28.6	42.8
120	23.5	18.5	27.7





#23

Nitrobenzene-d5

Concen: 55.347 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

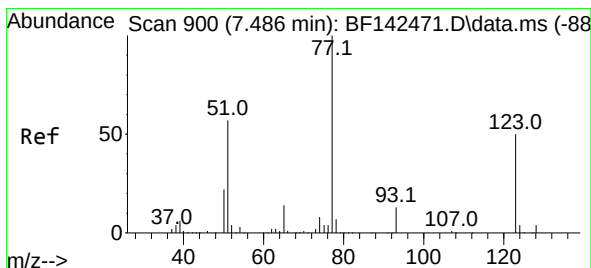
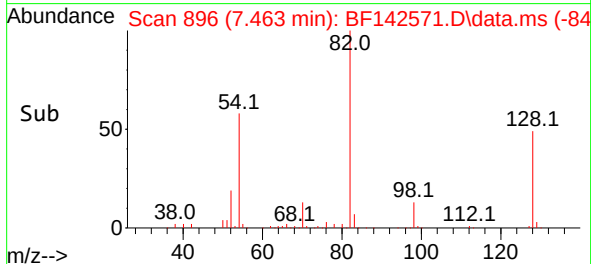
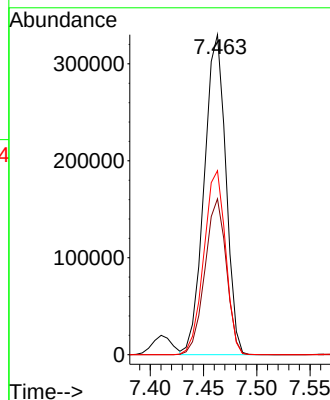
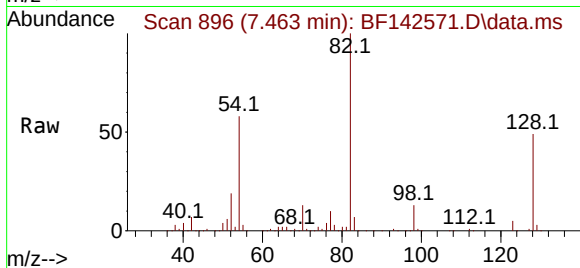
Tgt Ion: 82 Resp: 467633

Ion Ratio Lower Upper

82 100

128 48.7 37.4 56.2

54 57.5 46.6 70.0



#24

Nitrobenzene

Concen: 43.279 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

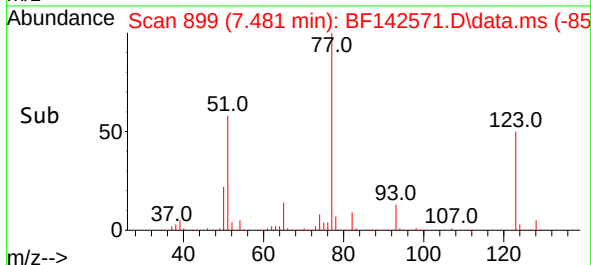
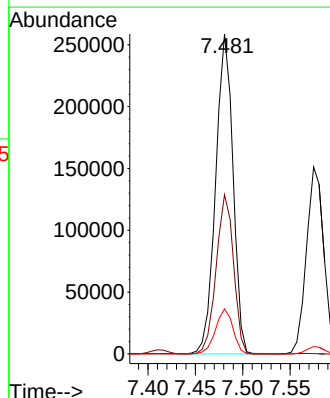
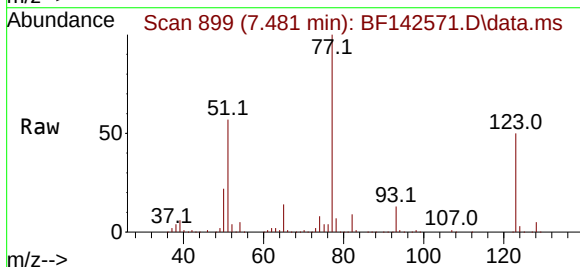
Tgt Ion: 77 Resp: 329801

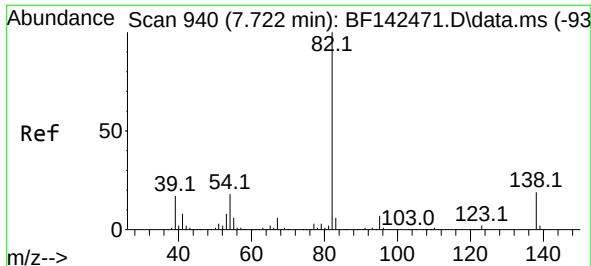
Ion Ratio Lower Upper

77 100

123 49.8 40.6 61.0

65 14.1 11.4 17.2

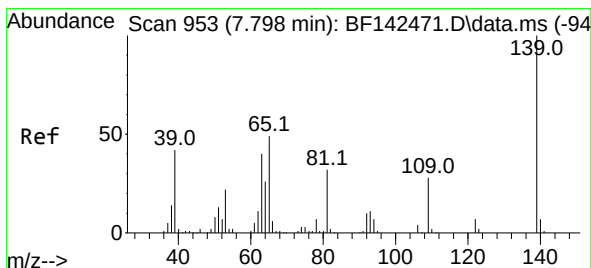
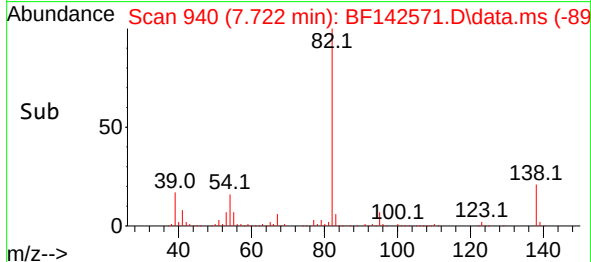
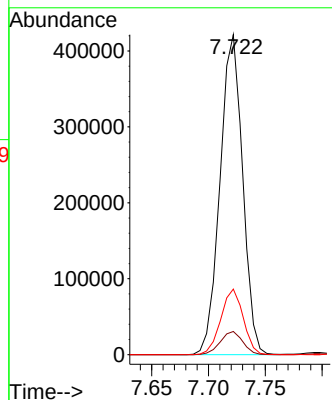
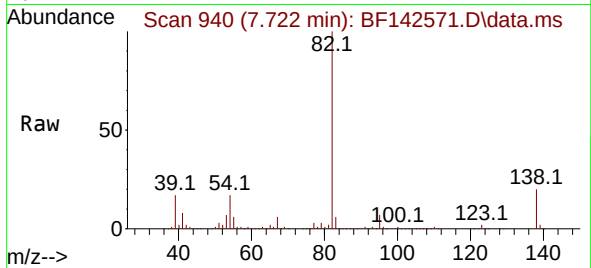




#25
Isophorone
Concen: 41.364 ng
RT: 7.722 min Scan# 940
Delta R.T. -0.012 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

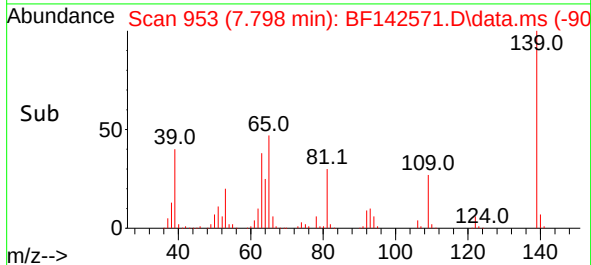
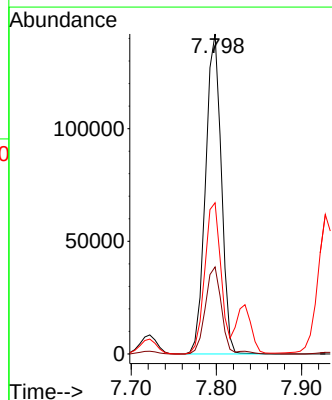
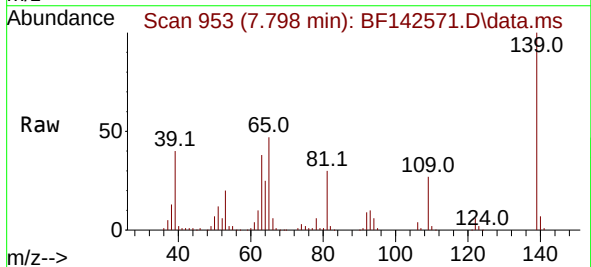
Instrument :
BNA_F
ClientSampleId :
TP-54MS

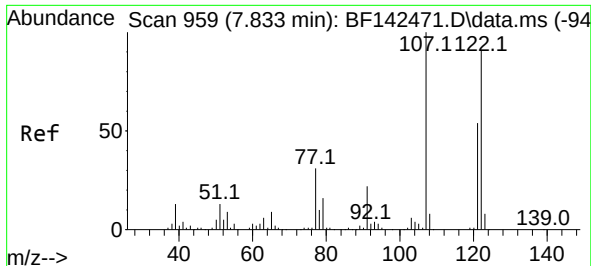
Tgt Ion: 82 Resp: 584319
Ion Ratio Lower Upper
82 100
95 7.3 6.0 9.0
138 20.5 15.5 23.3



#26
2-Nitrophenol
Concen: 44.825 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:139 Resp: 182519
Ion Ratio Lower Upper
139 100
109 27.2 22.6 33.8
65 47.2 39.4 59.0





#27

2,4-Dimethylphenol

Concen: 42.948 ng

RT: 7.834 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

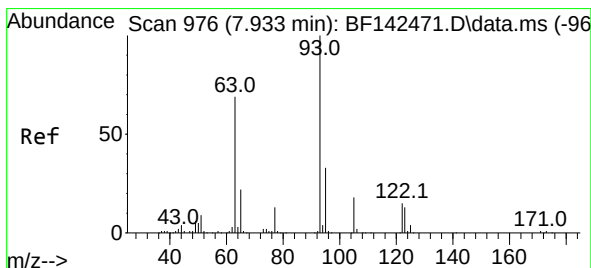
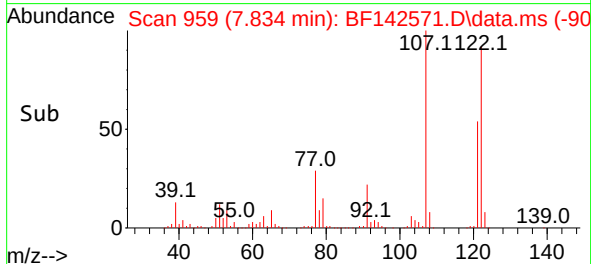
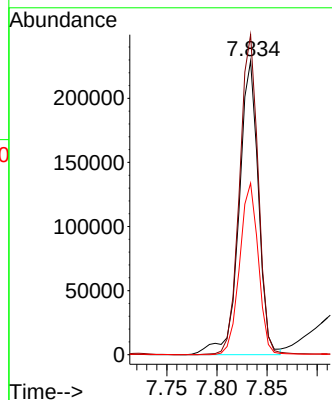
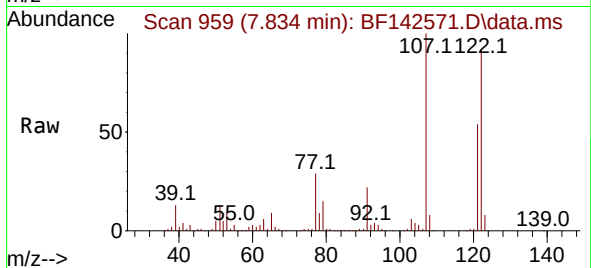
Tgt Ion:122 Resp: 308400

Ion Ratio Lower Upper

122 100

107 108.9 88.1 132.1

121 58.4 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 42.120 ng

RT: 7.928 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

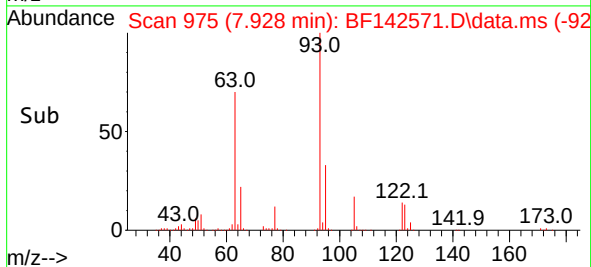
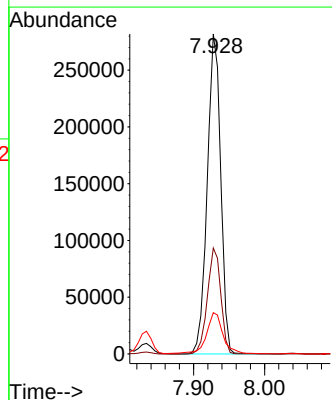
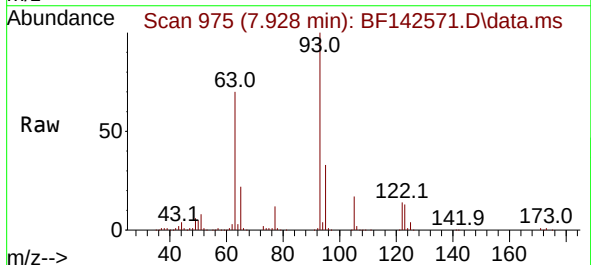
Tgt Ion: 93 Resp: 371689

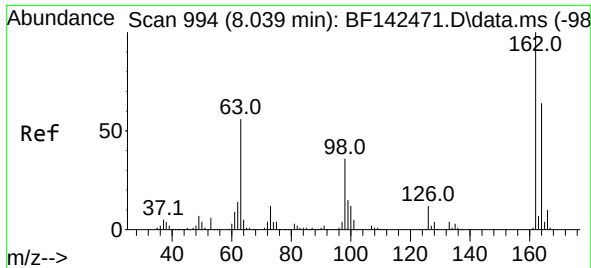
Ion Ratio Lower Upper

93 100

95 33.1 26.4 39.6

123 12.9 10.6 15.8





#29

2,4-Dichlorophenol

Concen: 42.751 ng

RT: 8.040 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

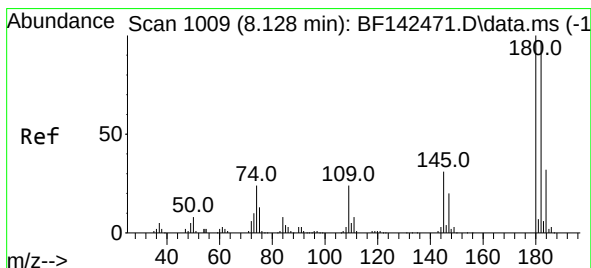
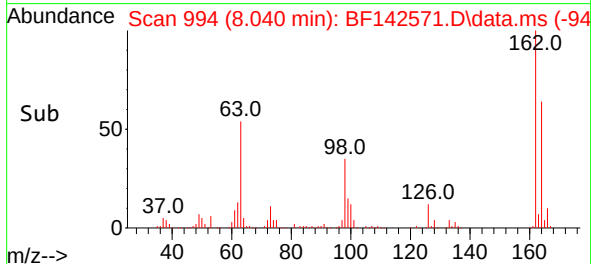
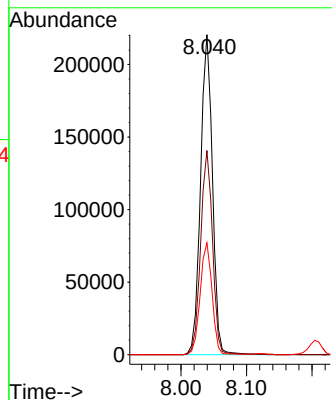
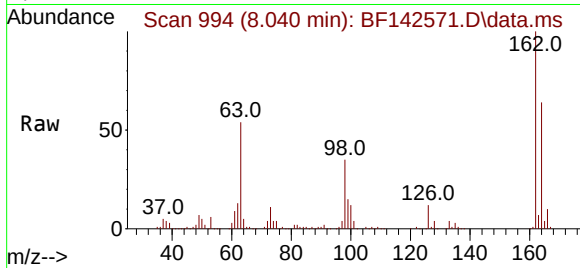
Tgt Ion:162 Resp: 279177

Ion Ratio Lower Upper

162 100

164 63.8 43.7 83.7

98 35.0 15.5 55.5



#30

1,2,4-Trichlorobenzene

Concen: 43.200 ng

RT: 8.122 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

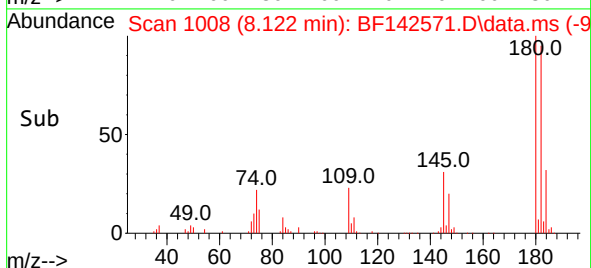
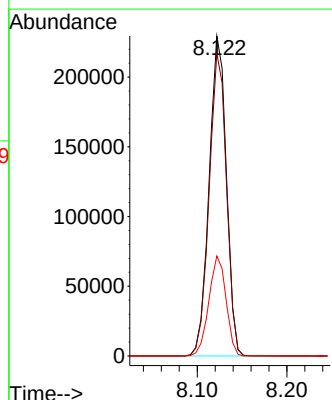
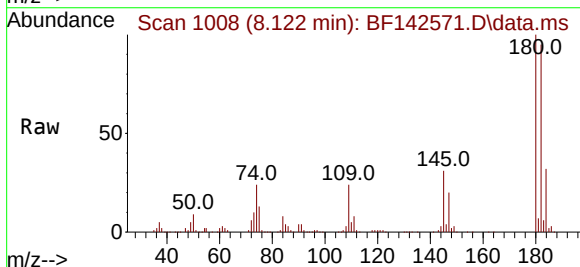
Tgt Ion:180 Resp: 306167

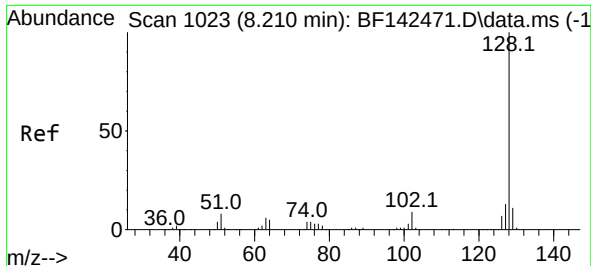
Ion Ratio Lower Upper

180 100

182 94.6 78.0 117.0

145 31.3 25.0 37.6

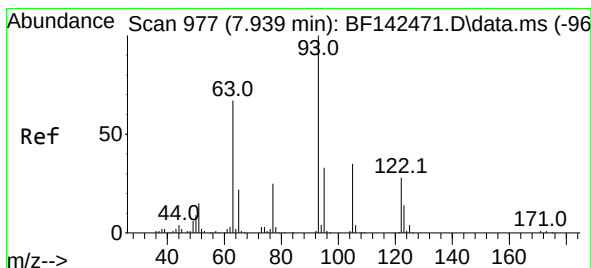
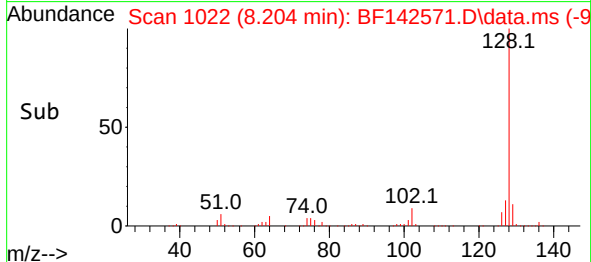
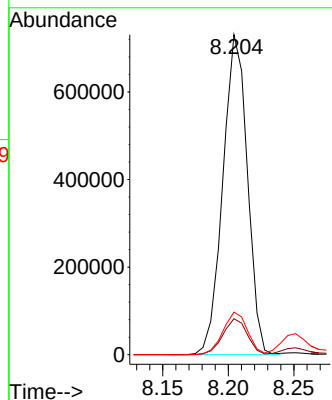
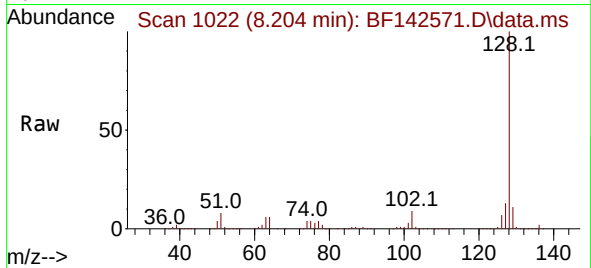




#31
Naphthalene
Concen: 41.853 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

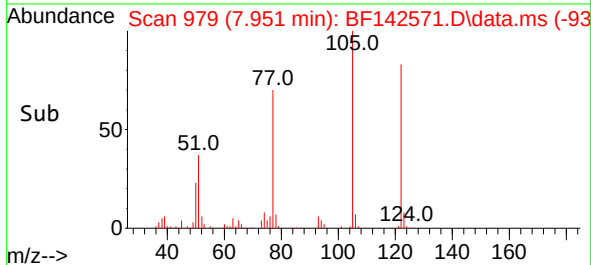
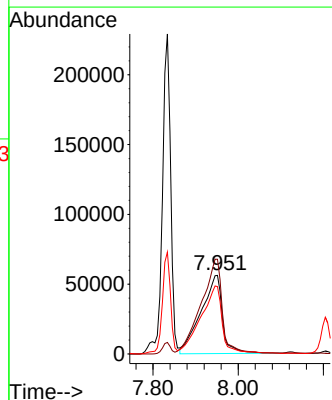
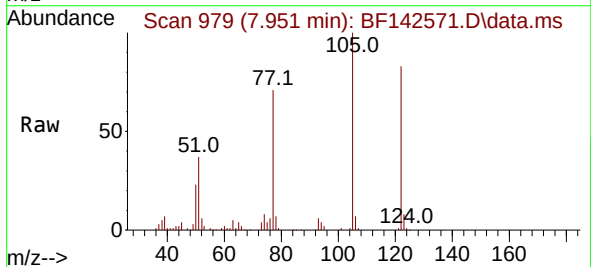
Instrument :
BNA_F
ClientSampleId :
TP-54MS

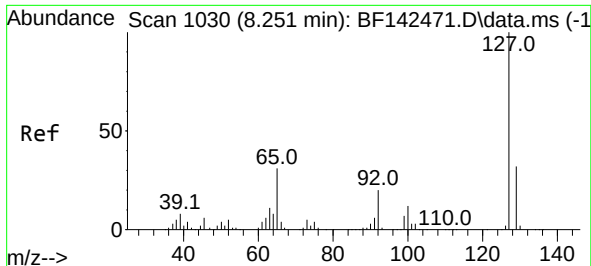
Tgt Ion:128 Resp: 949468
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.3 10.5 15.7



#32
Benzoic acid
Concen: 44.899 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.024 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:122 Resp: 196256
Ion Ratio Lower Upper
122 100
105 120.5 101.7 141.7
77 85.6 69.5 109.5

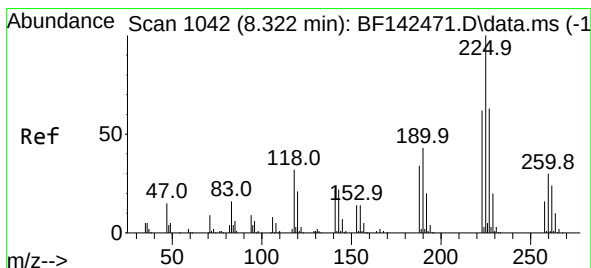
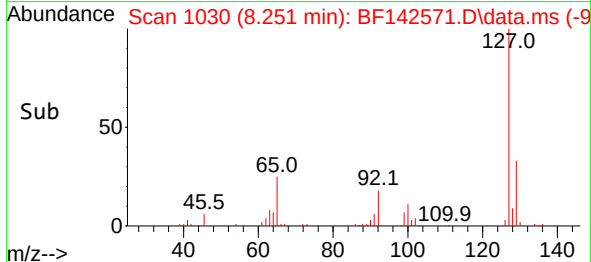
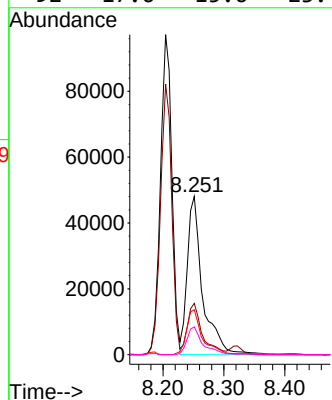
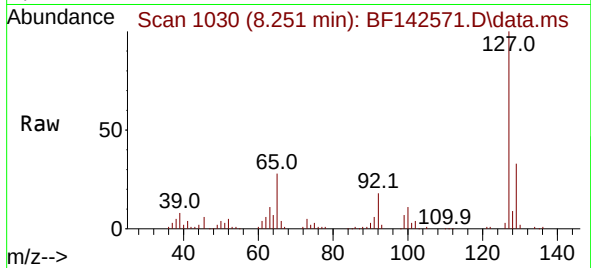




#33
4-Chloroaniline
Concen: 9.115 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

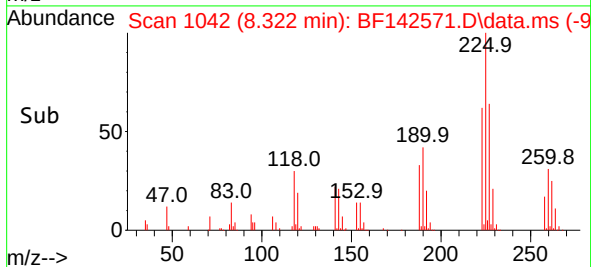
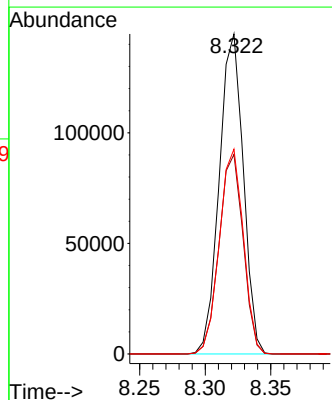
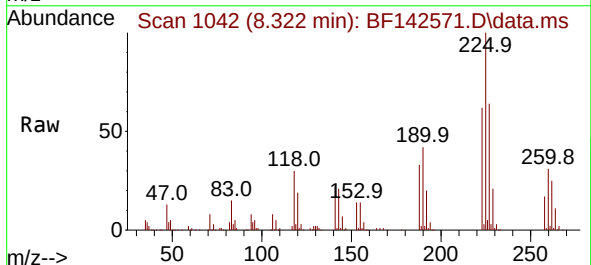
Instrument :
BNA_F
ClientSampleId :
TP-54MS

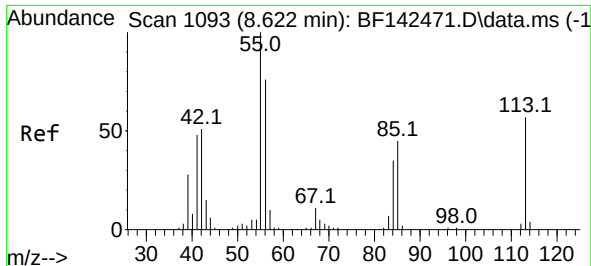
Tgt	Ion:127	Resp:	83788
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	28.4	24.9	37.3
92	17.6	15.6	23.4



#34
Hexachlorobutadiene
Concen: 41.667 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt	Ion:225	Resp:	184383
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.7	74.5
227	64.0	50.3	75.5

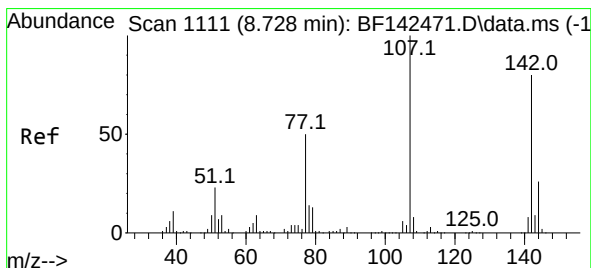
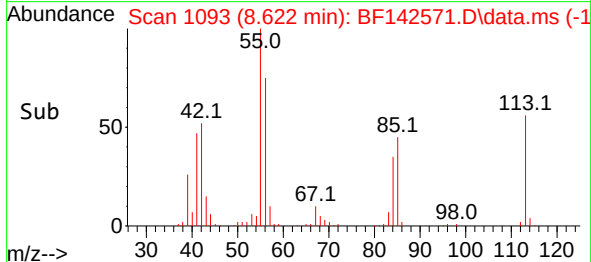
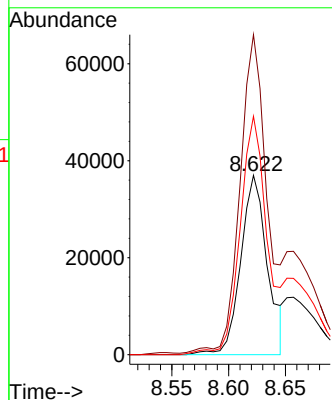
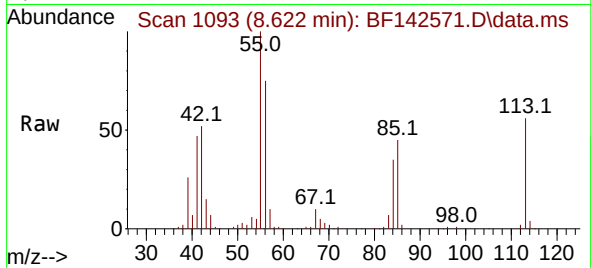




#35
 Caprolactam
 Concen: 32.796 ng
 RT: 8.622 min Scan# 1093
 Delta R.T. -0.023 min
 Lab File: BF142571.D
 Acq: 30 May 2025 15:50

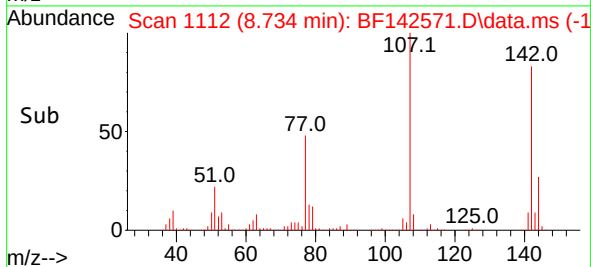
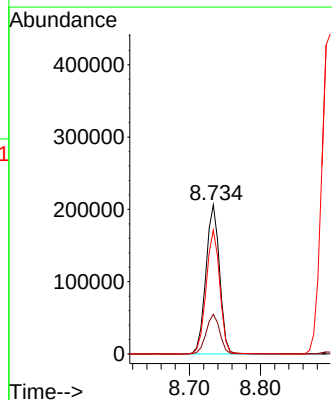
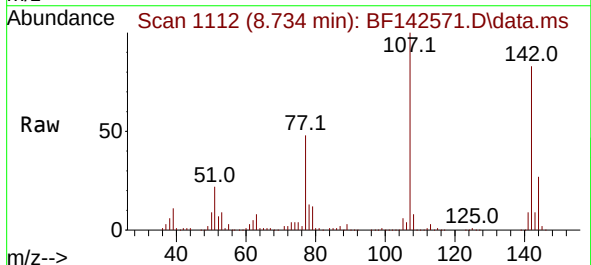
Instrument :
 BNA_F
 ClientSampleId :
 TP-54MS

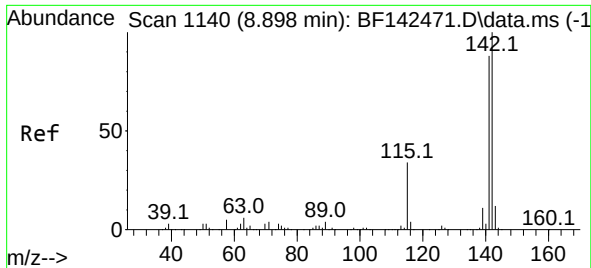
Tgt Ion:113 Resp: 60151
 Ion Ratio Lower Upper
 113 100
 55 178.4 154.7 194.7
 56 132.9 113.2 153.2



#36
 4-Chloro-3-methylphenol
 Concen: 41.358 ng
 RT: 8.734 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF142571.D
 Acq: 30 May 2025 15:50

Tgt Ion:107 Resp: 276787
 Ion Ratio Lower Upper
 107 100
 144 26.6 20.9 31.3
 142 83.0 64.2 96.2

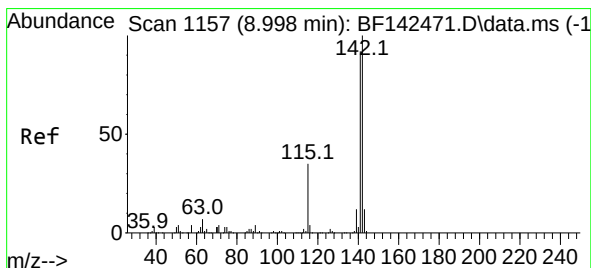
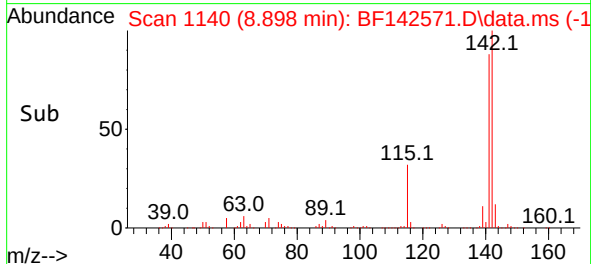
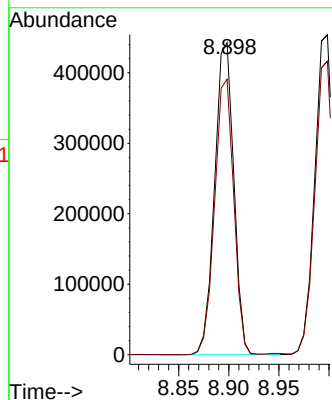
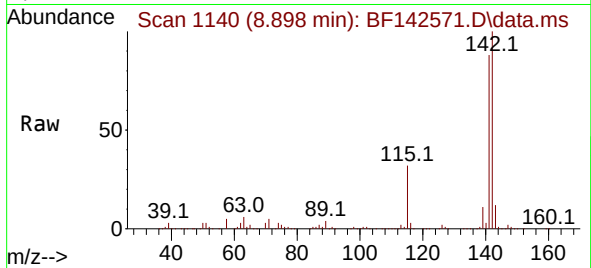




#37
2-Methylnaphthalene
Concen: 41.127 ng
RT: 8.898 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

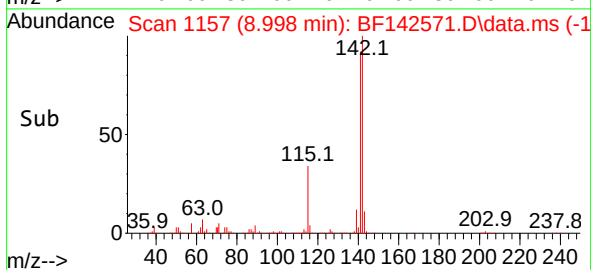
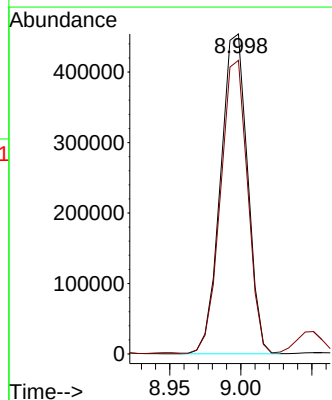
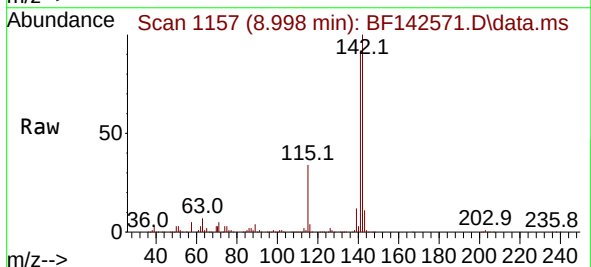
Instrument :
BNA_F
ClientSampleId :
TP-54MS

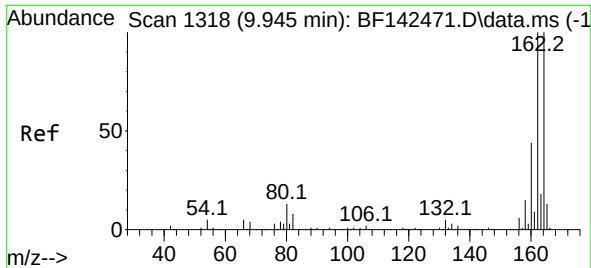
Tgt Ion:142 Resp: 586972
Ion Ratio Lower Upper
142 100
141 88.3 70.7 106.1



#38
1-Methylnaphthalene
Concen: 40.715 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:142 Resp: 601058
Ion Ratio Lower Upper
142 100
141 91.8 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: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

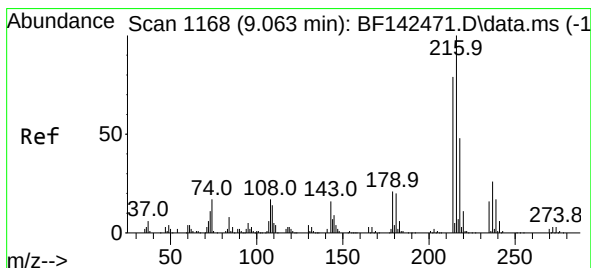
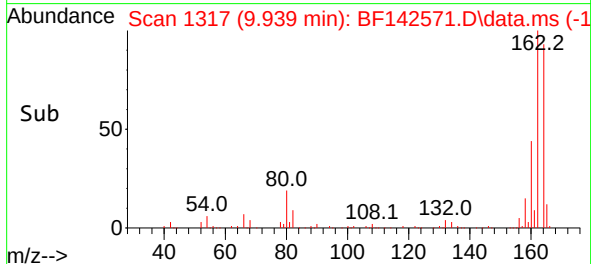
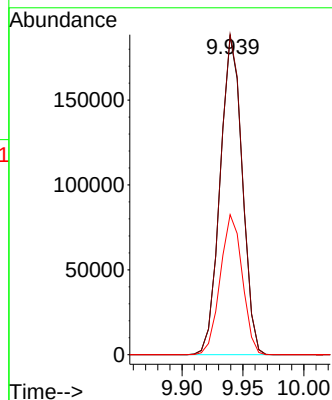
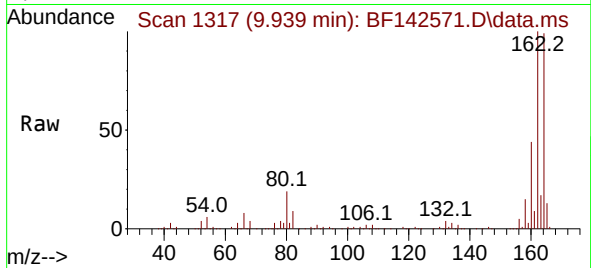
Tgt Ion:164 Resp: 236866

Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.4

160 44.0 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.205 ng

RT: 9.063 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Tgt Ion:216 Resp: 300567

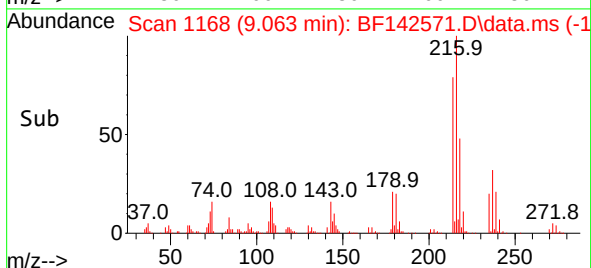
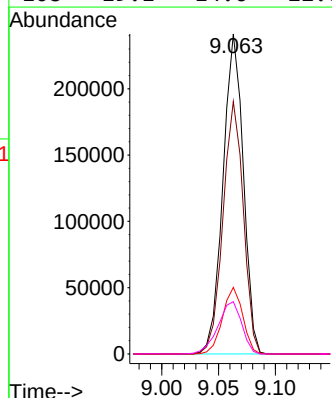
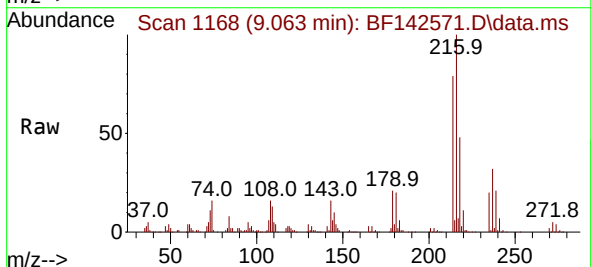
Ion Ratio Lower Upper

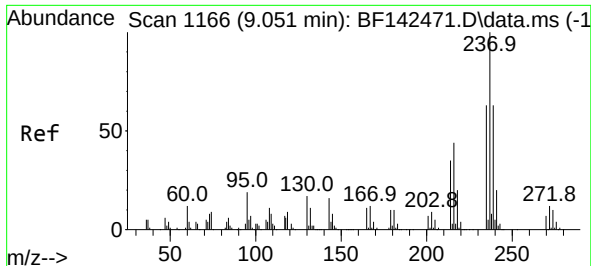
216 100

214 78.7 62.9 94.3

179 20.7 16.9 25.3

108 19.1 14.6 22.0

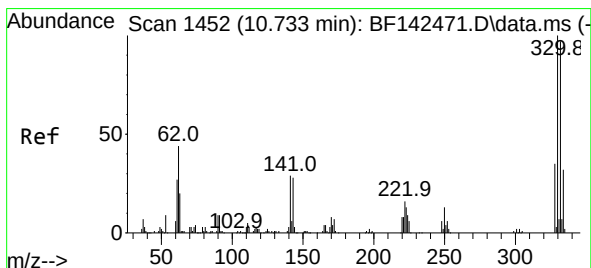
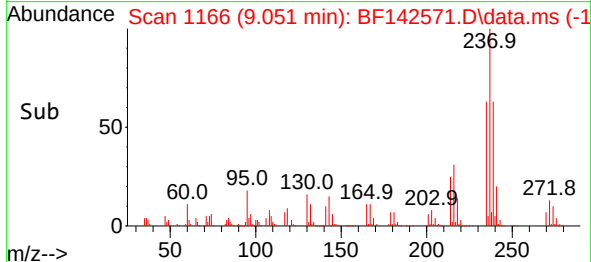
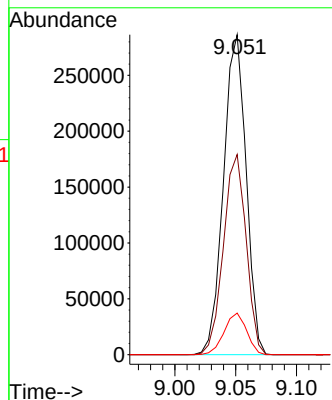
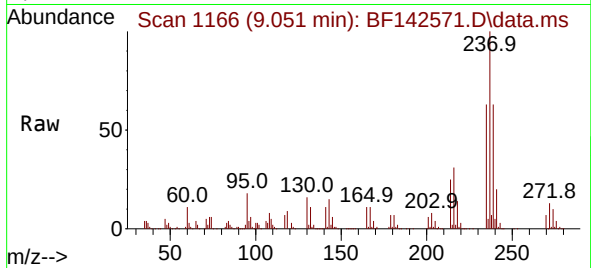




#41
Hexachlorocyclopentadiene
Concen: 80.699 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

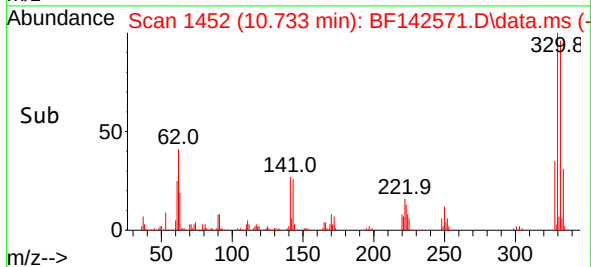
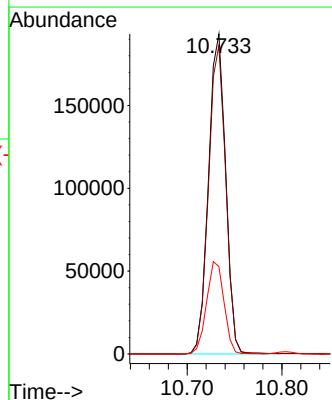
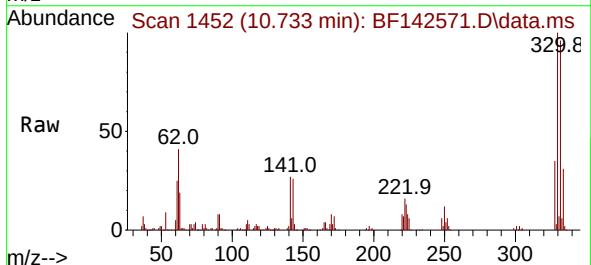
Instrument :
BNA_F
ClientSampleId :
TP-54MS

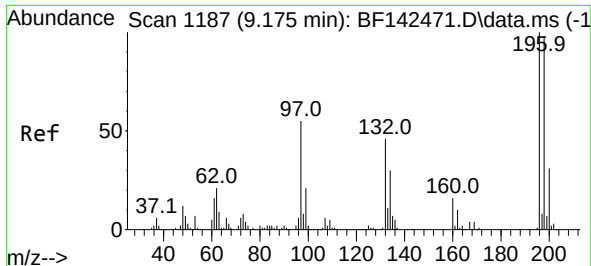
Tgt Ion:237 Resp: 370150
Ion Ratio Lower Upper
237 100
235 62.5 43.3 83.3
272 13.0 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 92.391 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:330 Resp: 242888
Ion Ratio Lower Upper
330 100
332 96.9 77.6 116.4
141 29.4 24.6 36.8

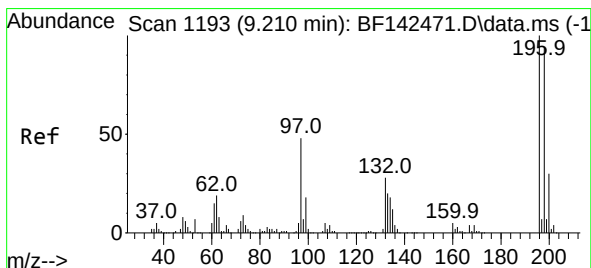
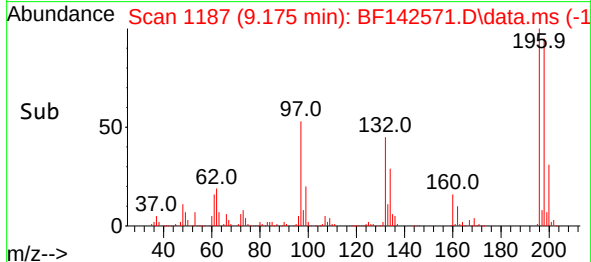
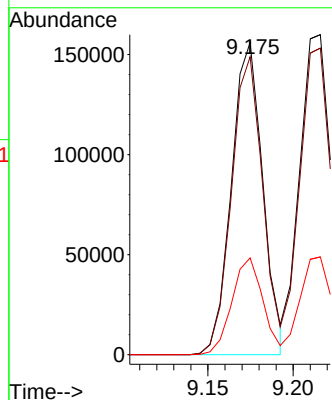
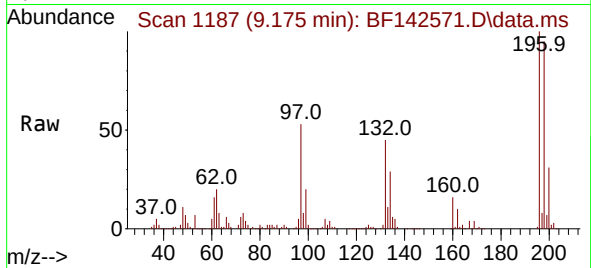




#43
2,4,6-Trichlorophenol
Concen: 43.524 ng
RT: 9.175 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

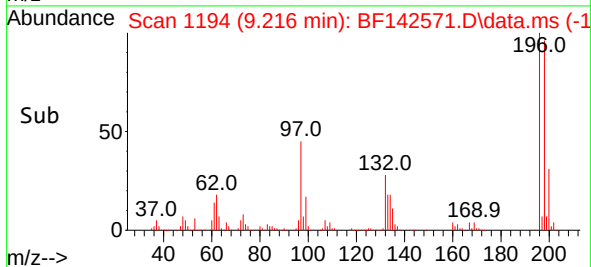
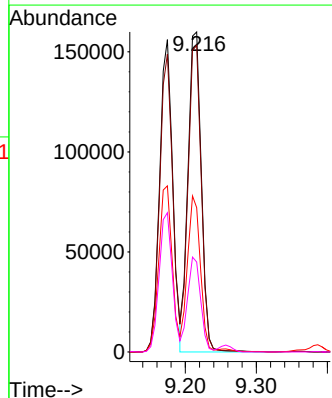
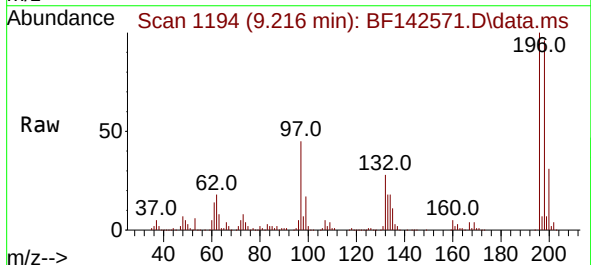
Instrument :
BNA_F
ClientSampleId :
TP-54MS

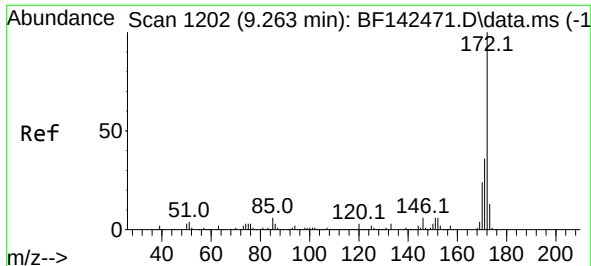
Tgt Ion:196 Resp: 199554
Ion Ratio Lower Upper
196 100
198 95.4 78.8 118.2
200 31.0 24.9 37.3



#44
2,4,5-Trichlorophenol
Concen: 43.293 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:196 Resp: 209342
Ion Ratio Lower Upper
196 100
198 95.8 75.5 113.3
97 45.1 39.3 58.9
132 28.1 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 52.661 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

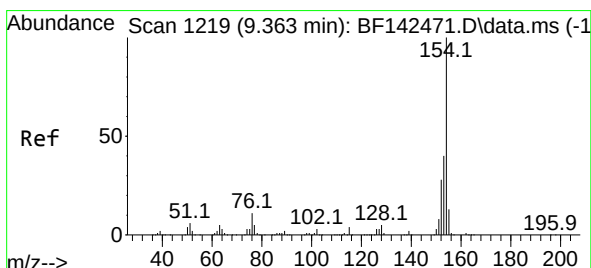
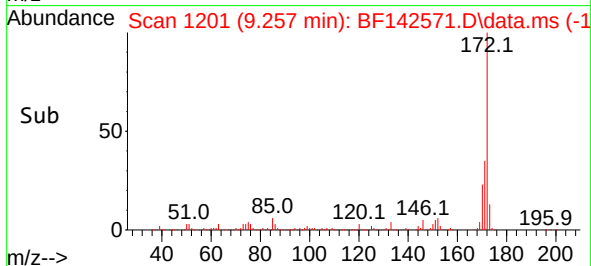
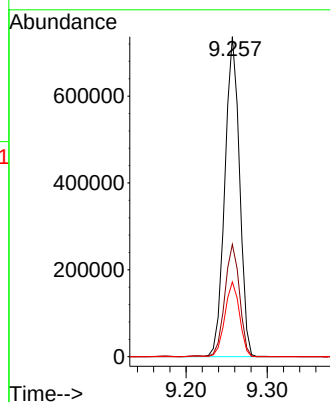
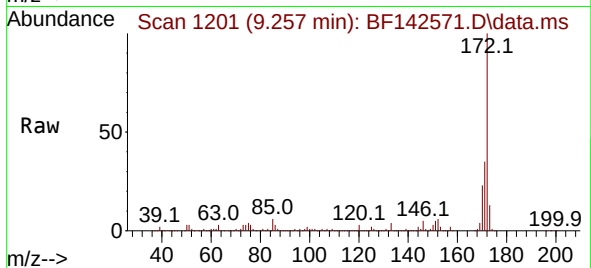
Tgt Ion:172 Resp: 929576

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.4 18.9 28.3



#46

1,1'-Biphenyl

Concen: 43.129 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

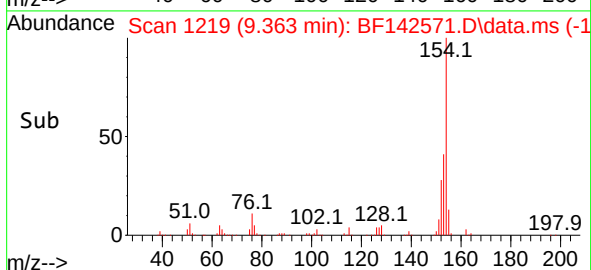
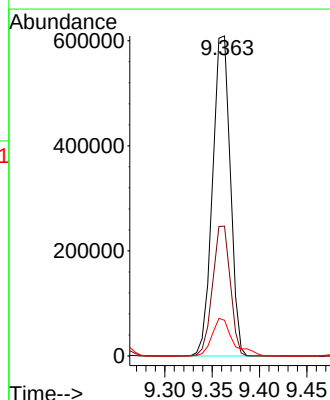
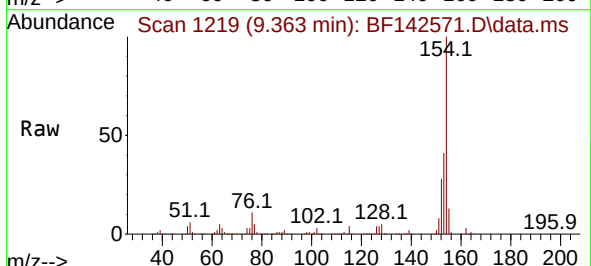
Tgt Ion:154 Resp: 792558

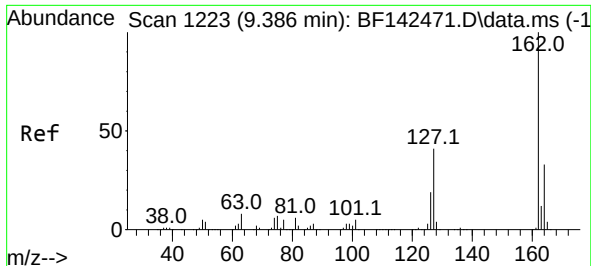
Ion Ratio Lower Upper

154 100

153 40.6 20.4 60.4

76 11.1 0.0 30.8

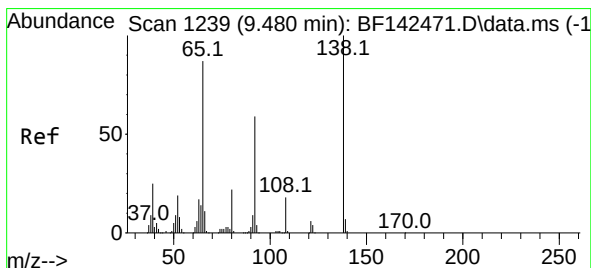
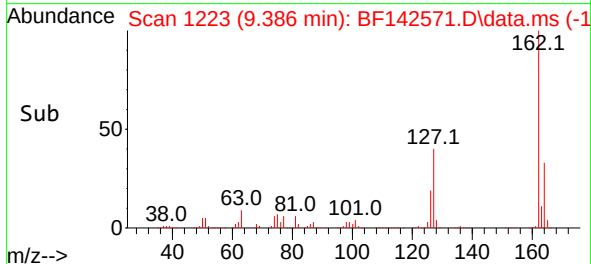
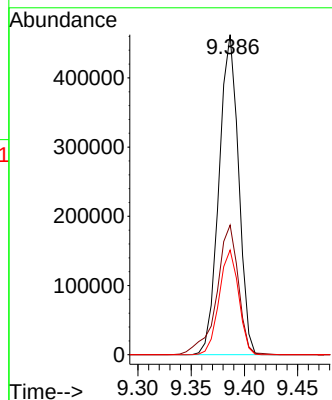
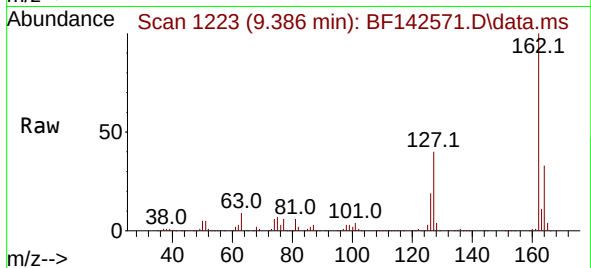




#47
2-Chloronaphthalene
Concen: 43.338 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

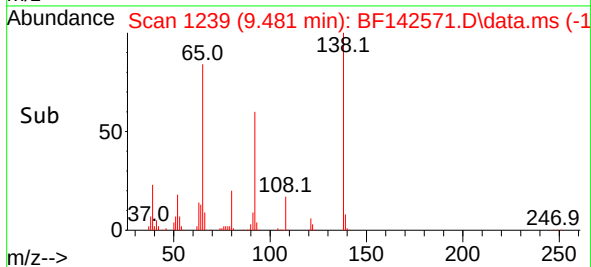
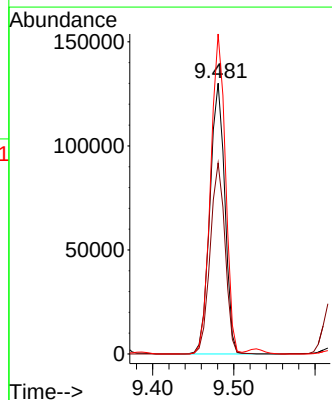
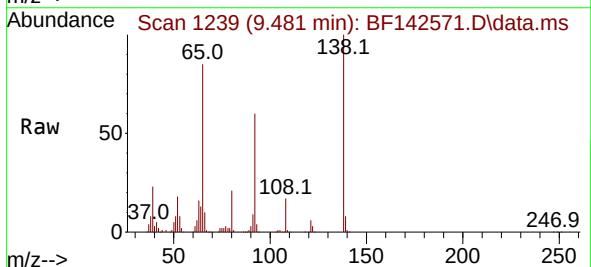
Instrument :
BNA_F
ClientSampleId :
TP-54MS

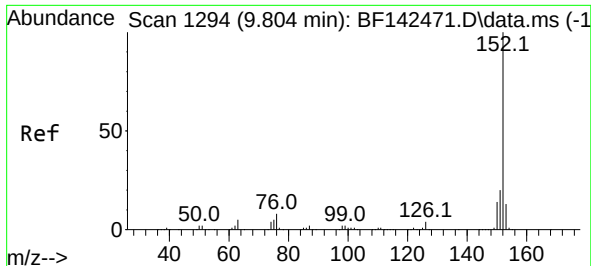
Tgt Ion:162 Resp: 588404
Ion Ratio Lower Upper
162 100
127 40.5 33.5 50.3
164 32.7 26.1 39.1



#48
2-Nitroaniline
Concen: 42.377 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.005 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion: 65 Resp: 166305
Ion Ratio Lower Upper
65 100
92 70.6 54.4 81.6
138 118.2 91.4 137.2

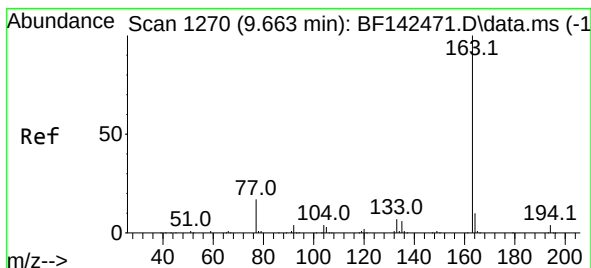
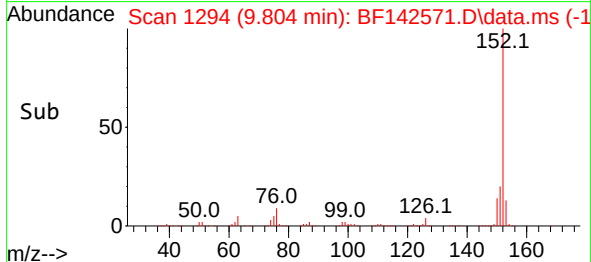
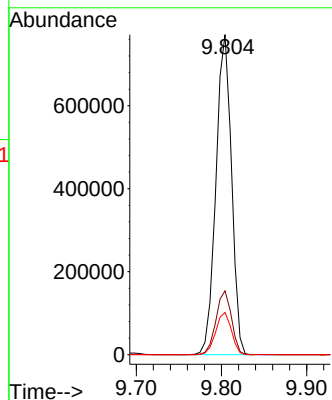
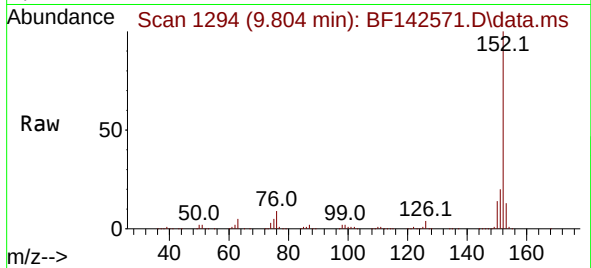




#49
Acenaphthylene
Concen: 42.698 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

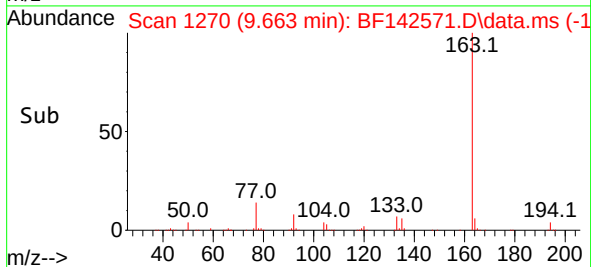
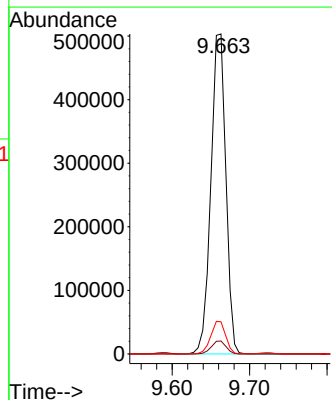
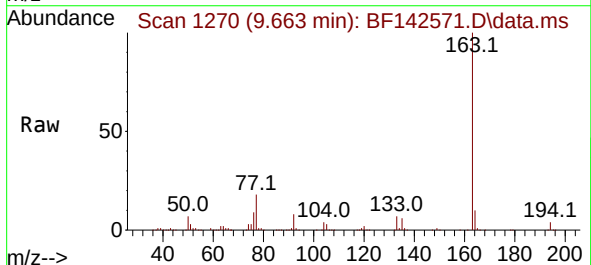
Instrument :
BNA_F
ClientSampleId :
TP-54MS

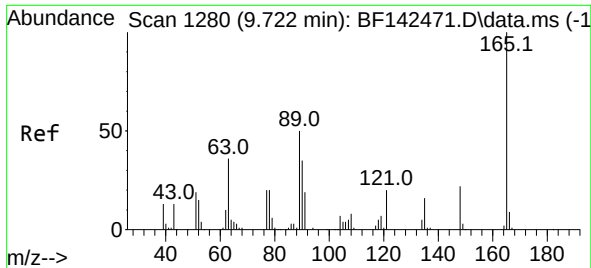
Tgt Ion:152 Resp: 978892
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 43.277 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:163 Resp: 676381
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 8.2 12.4

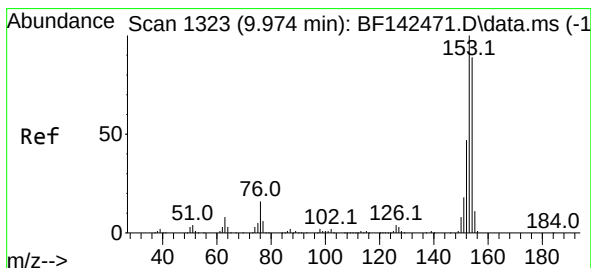
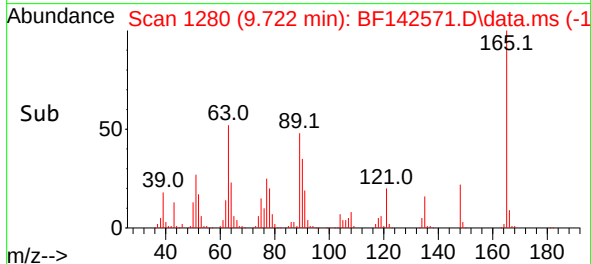
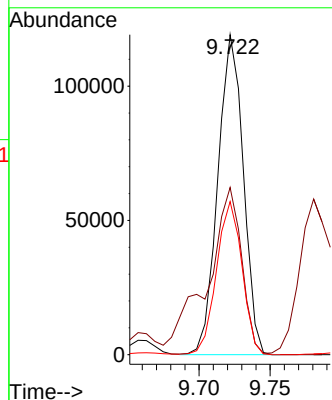
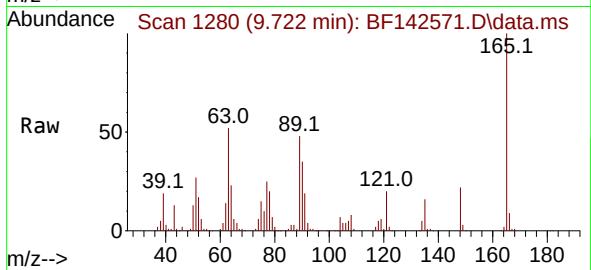




#51
2,6-Dinitrotoluene
Concen: 44.053 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

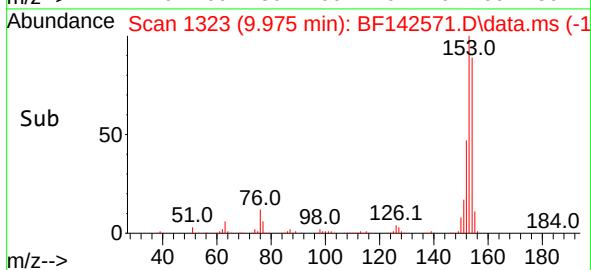
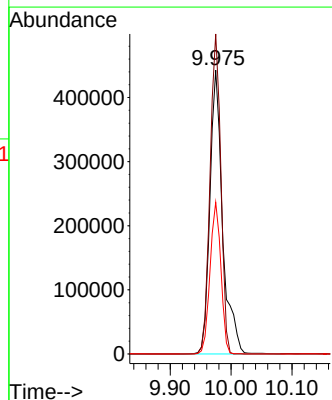
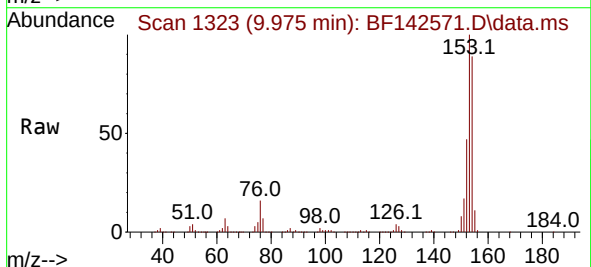
Instrument :
BNA_F
ClientSampleId :
TP-54MS

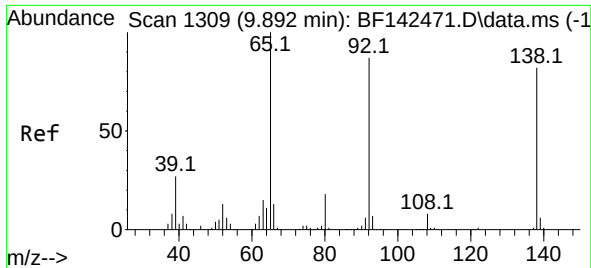
Tgt Ion:165 Resp: 148602
Ion Ratio Lower Upper
165 100
63 52.3 42.9 64.3
89 47.8 40.2 60.4



#52
Acenaphthene
Concen: 45.992 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:154 Resp: 643854
Ion Ratio Lower Upper
154 100
153 112.7 90.0 135.0
152 53.4 42.6 64.0

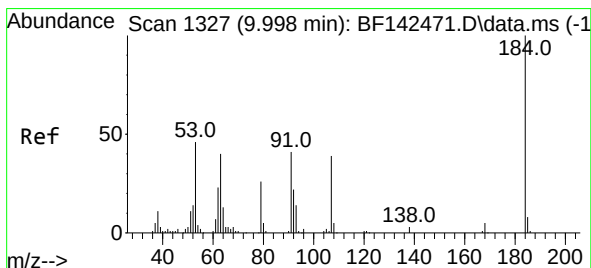
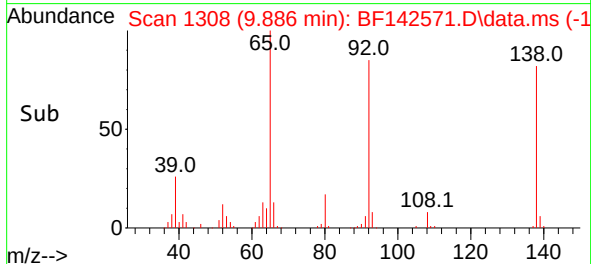
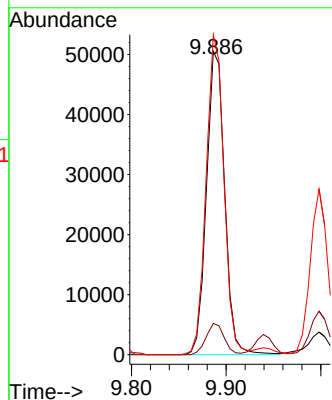
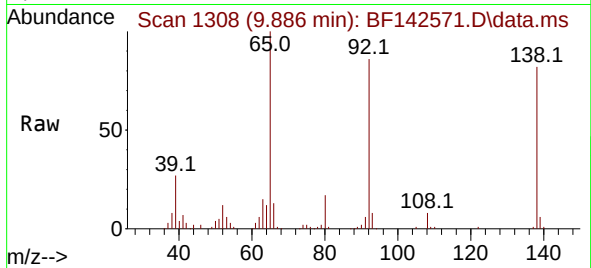




#53
3-Nitroaniline
Concen: 18.294 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

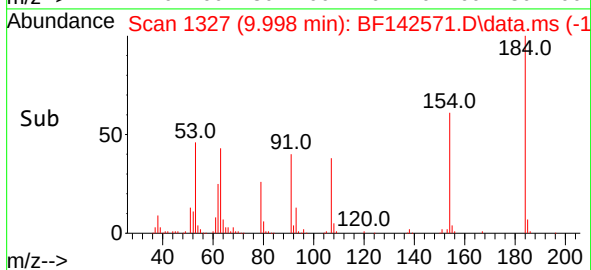
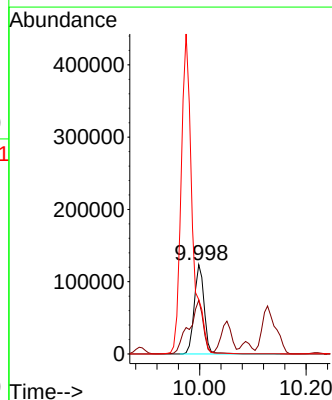
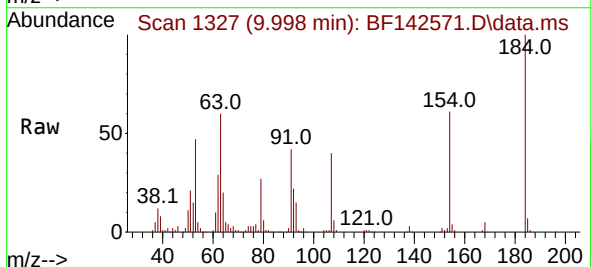
Instrument :
BNA_F
ClientSampleId :
TP-54MS

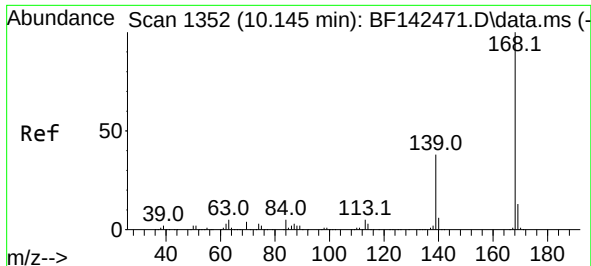
Tgt Ion:138 Resp: 67401
Ion Ratio Lower Upper
138 100
108 10.3 8.1 12.1
92 105.5 85.2 127.8



#54
2,4-Dinitrophenol
Concen: 92.532 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:184 Resp: 161261
Ion Ratio Lower Upper
184 100
63 60.1 46.3 69.5
154 60.9 56.8 85.2

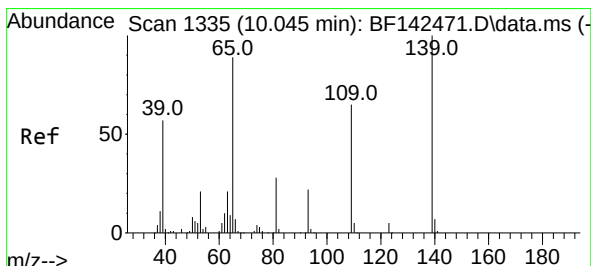
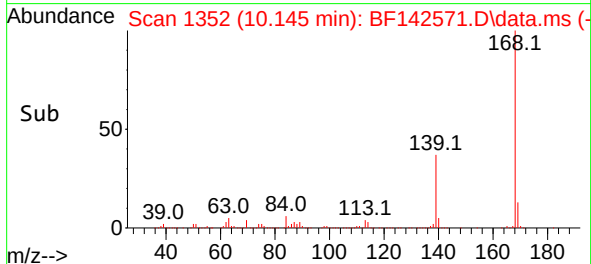
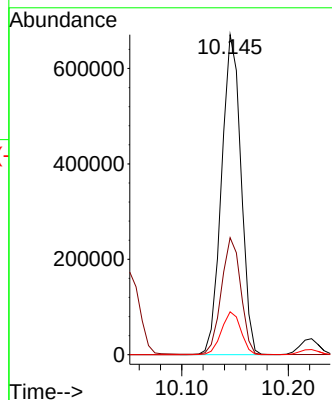
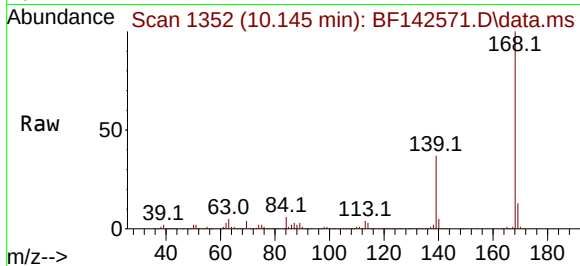




#55
Dibenzofuran
Concen: 42.177 ng
RT: 10.145 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

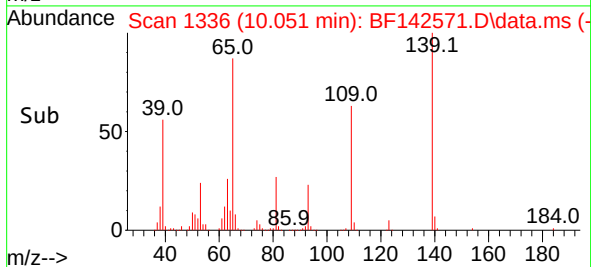
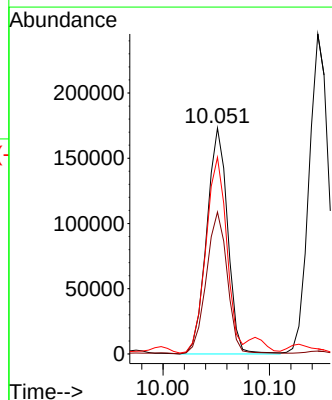
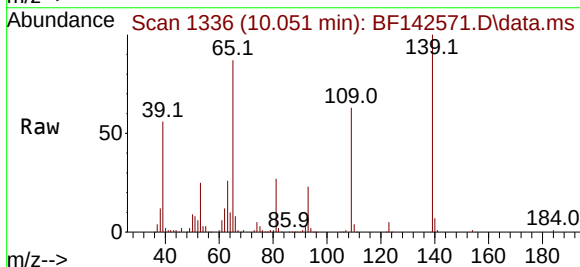
Instrument :
BNA_F
ClientSampleId :
TP-54MS

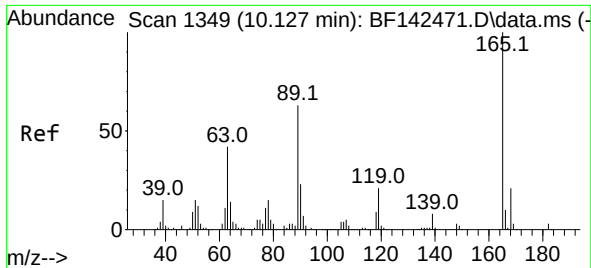
Tgt Ion:168 Resp: 849661
Ion Ratio Lower Upper
168 100
139 36.6 30.2 45.2
169 13.4 10.7 16.1



#56
4-Nitrophenol
Concen: 87.339 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:139 Resp: 237434
Ion Ratio Lower Upper
139 100
109 62.8 45.1 85.1
65 87.0 69.7 109.7

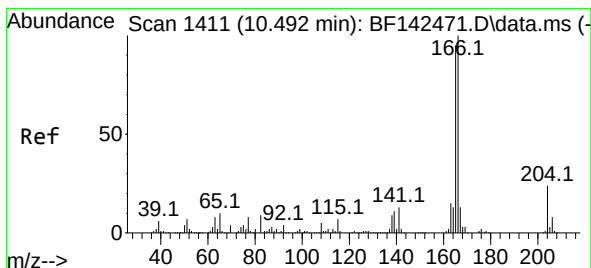
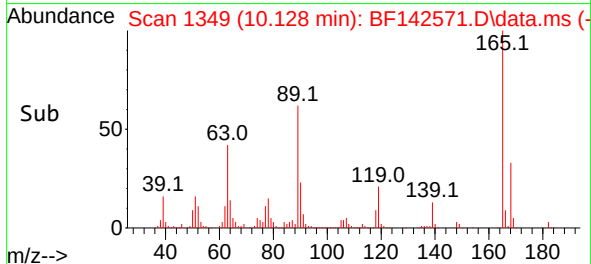
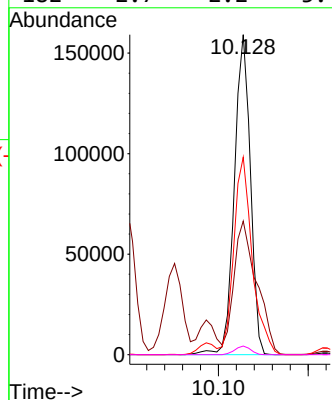
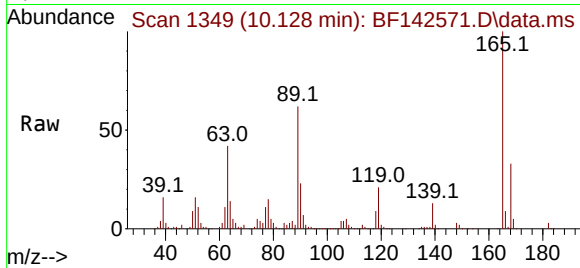




#57
2,4-Dinitrotoluene
Concen: 44.751 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

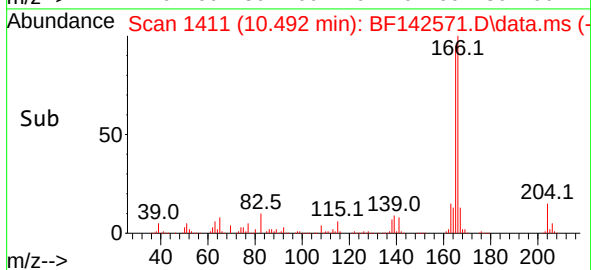
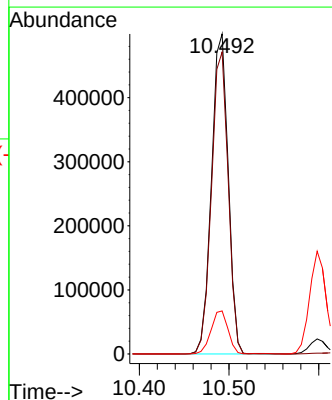
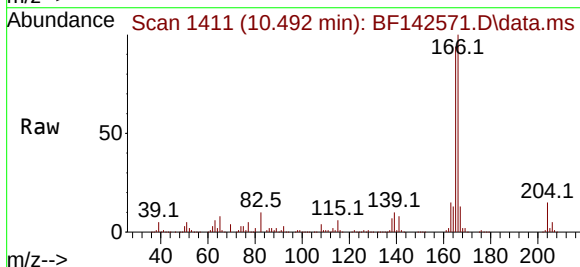
Instrument :
BNA_F
ClientSampleId :
TP-54MS

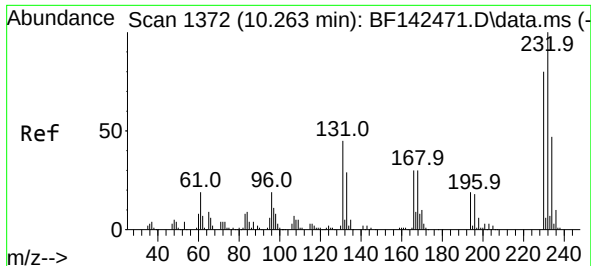
Tgt Ion:165 Resp: 197146
Ion Ratio Lower Upper
165 100
63 41.8 33.6 50.4
89 61.7 50.2 75.4
182 2.7 2.2 3.4



#58
Fluorene
Concen: 41.433 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:166 Resp: 644831
Ion Ratio Lower Upper
166 100
165 94.3 75.8 113.8
167 13.4 10.6 16.0

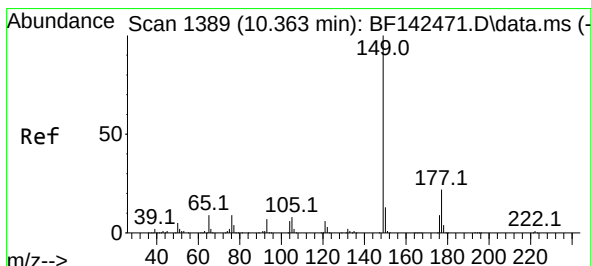
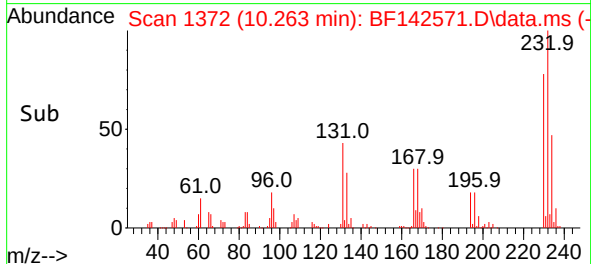
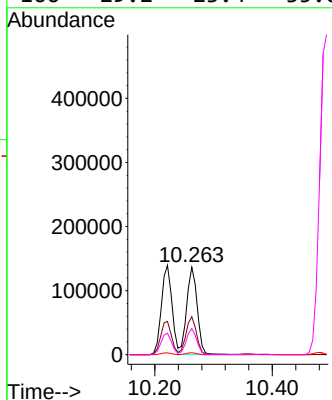
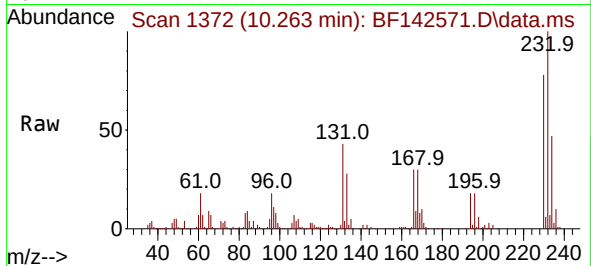




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.410 ng
RT: 10.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

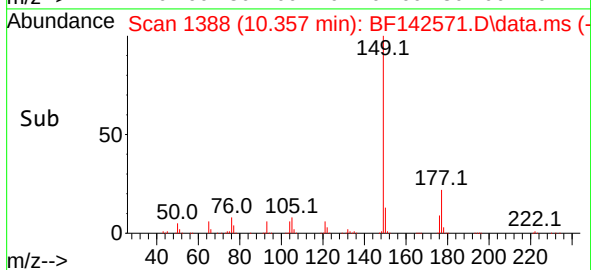
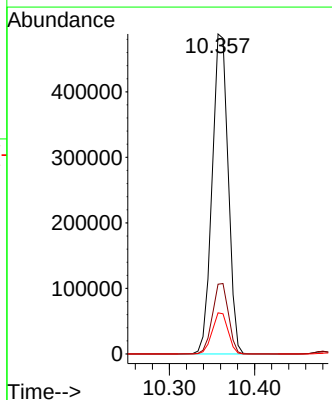
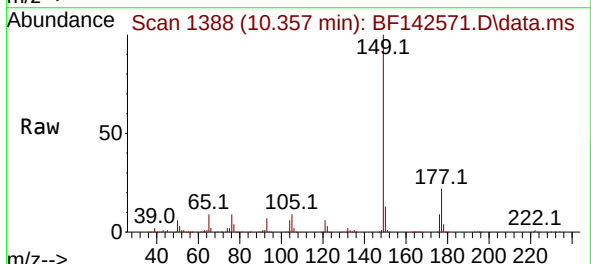
Instrument :
BNA_F
ClientSampleId :
TP-54MS

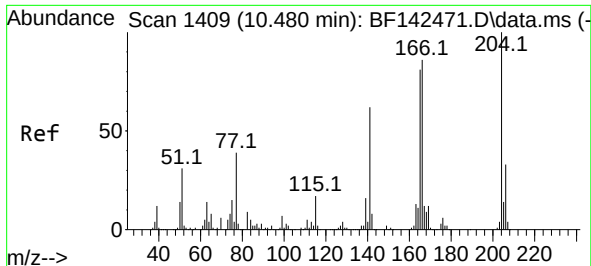
Tgt Ion:232 Resp: 171201
Ion Ratio Lower Upper
232 100
131 43.5 35.2 52.8
130 2.1 1.7 2.5
166 29.2 23.4 35.0



#60
Diethylphthalate
Concen: 41.791 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:149 Resp: 637907
Ion Ratio Lower Upper
149 100
177 21.8 17.6 26.4
150 12.9 10.1 15.1

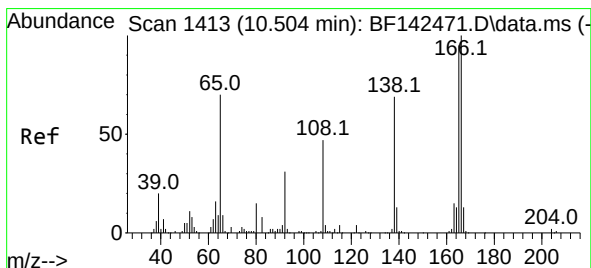
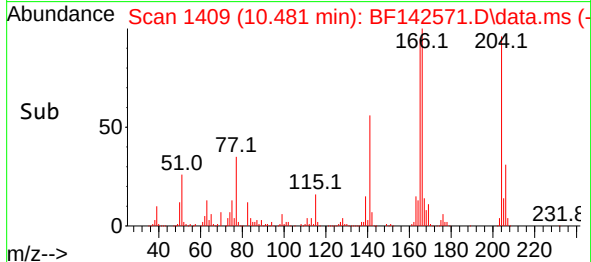
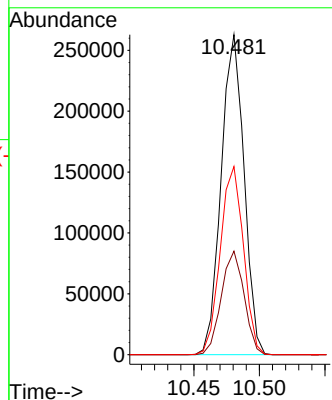
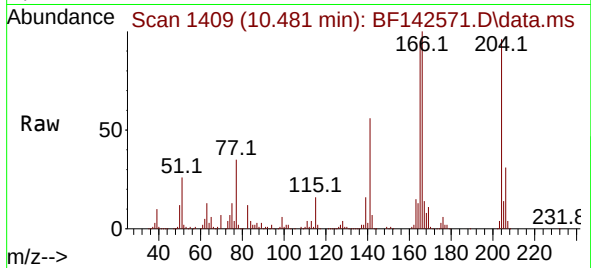




#61
4-Chlorophenyl-phenylether
Concen: 41.653 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.005 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

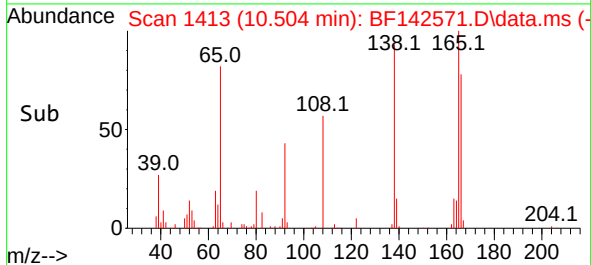
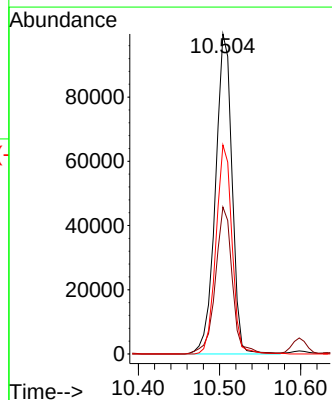
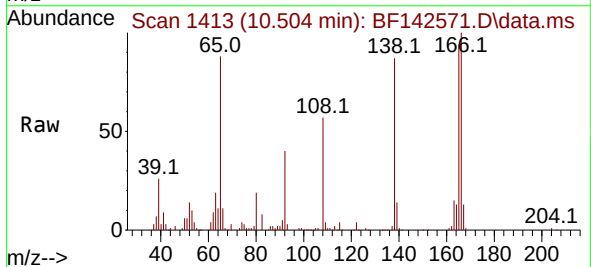
Instrument :
BNA_F
ClientSampleId :
TP-54MS

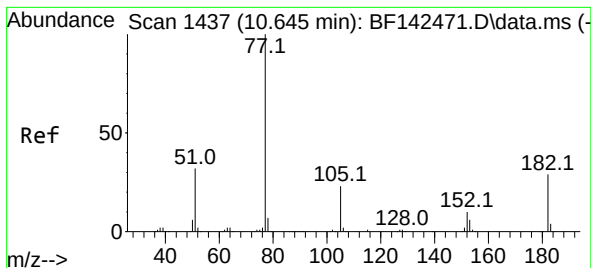
Tgt Ion:204 Resp: 318453
Ion Ratio Lower Upper
204 100
206 32.4 26.3 39.5
141 58.8 49.5 74.3



#62
4-Nitroaniline
Concen: 42.427 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:138 Resp: 141774
Ion Ratio Lower Upper
138 100
92 45.9 26.0 66.0
108 65.3 48.4 88.4





#63

Azobenzene

Concen: 44.583 ng

RT: 10.639 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

Tgt Ion: 77 Resp: 611242

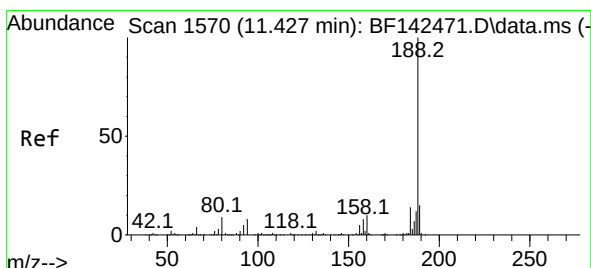
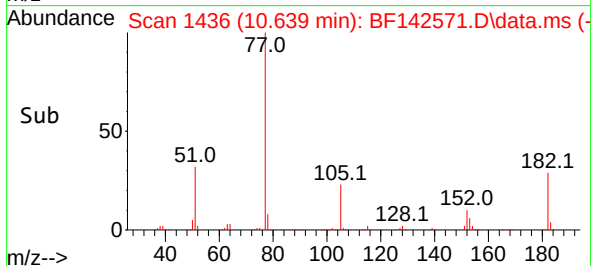
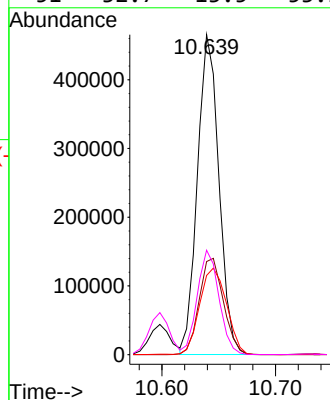
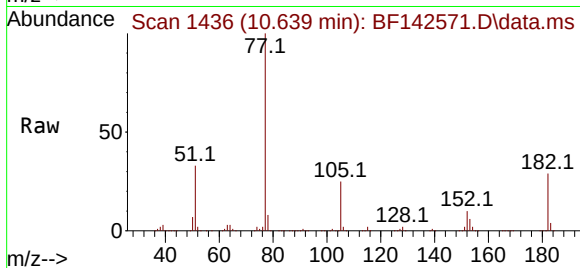
Ion Ratio Lower Upper

77 100

182 29.1 9.0 49.0

105 24.7 2.4 42.4

51 32.7 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: BF142571.D

Acq: 30 May 2025 15:50

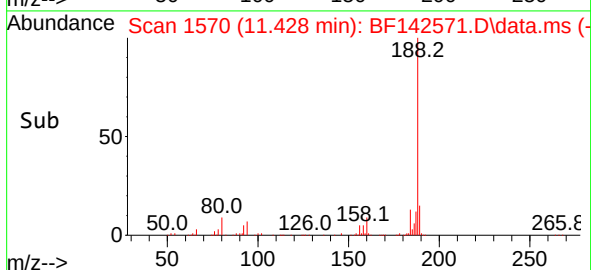
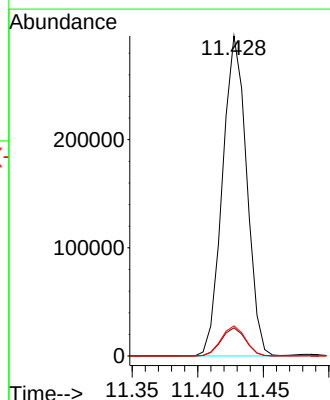
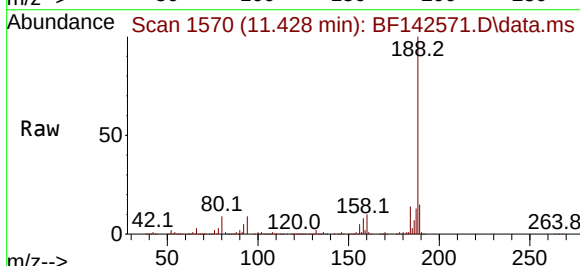
Tgt Ion:188 Resp: 378954

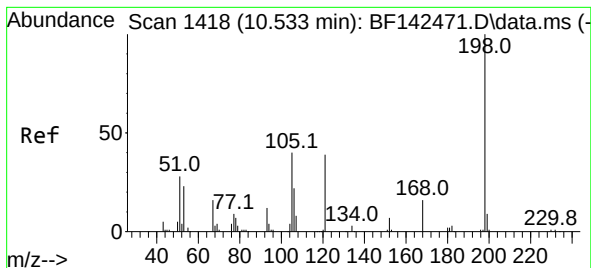
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.4 7.4 11.0

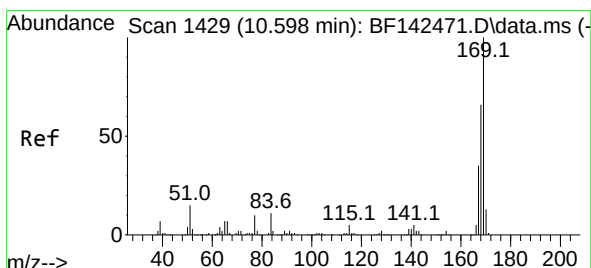
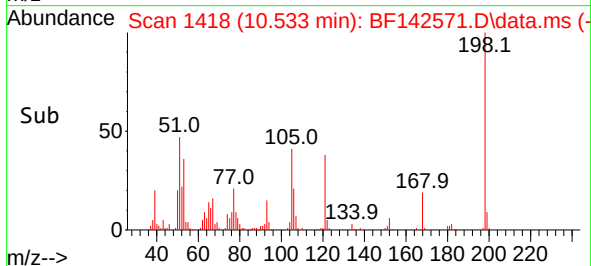
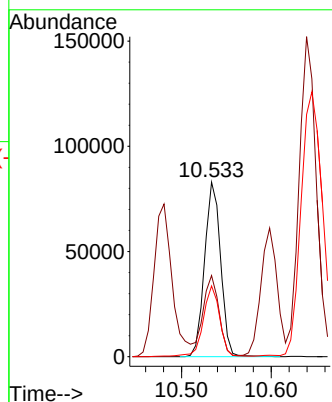
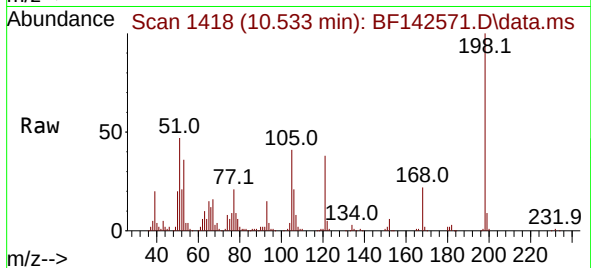




#65
4,6-Dinitro-2-methylphenol
Concen: 48.726 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

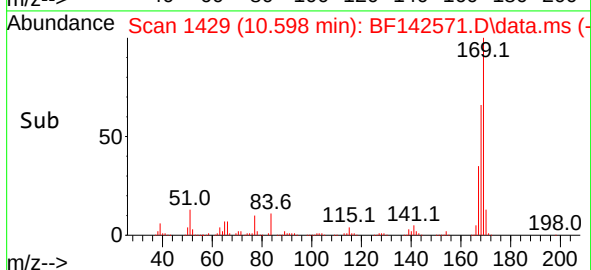
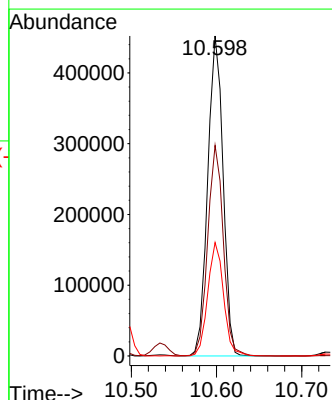
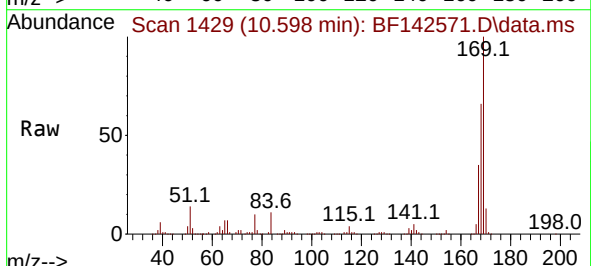
Instrument :
BNA_F
ClientSampleId :
TP-54MS

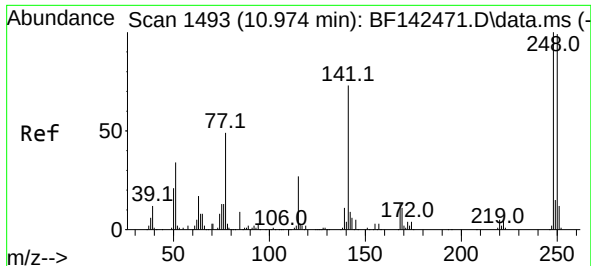
Tgt Ion:198 Resp: 103049
Ion Ratio Lower Upper
198 100
51 46.5 28.3 68.3
105 40.5 21.3 61.3



#66
n-Nitrosodiphenylamine
Concen: 43.673 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:169 Resp: 566216
Ion Ratio Lower Upper
169 100
168 65.8 52.7 79.1
167 35.5 28.3 42.5

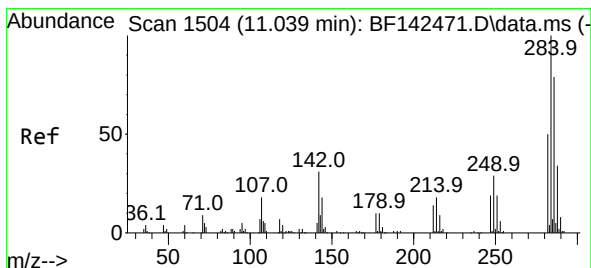
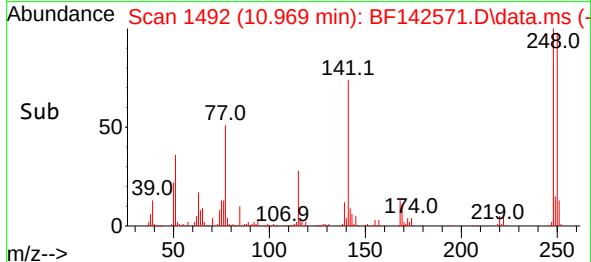
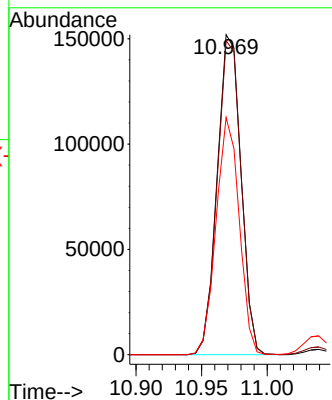
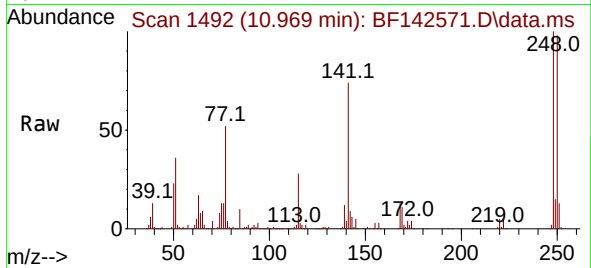




#67
4-Bromophenyl-phenylether
Concen: 42.946 ng
RT: 10.969 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

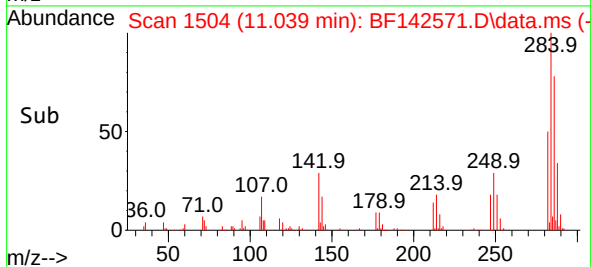
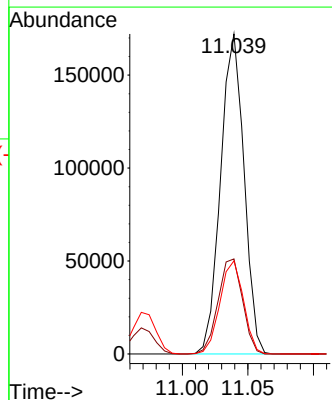
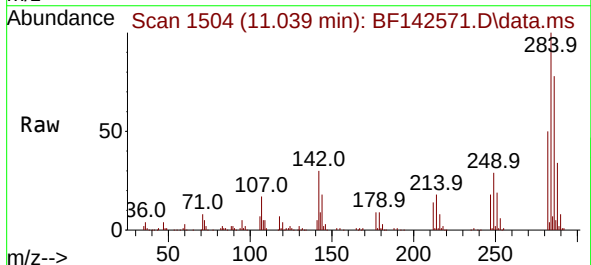
Instrument :
BNA_F
ClientSampleId :
TP-54MS

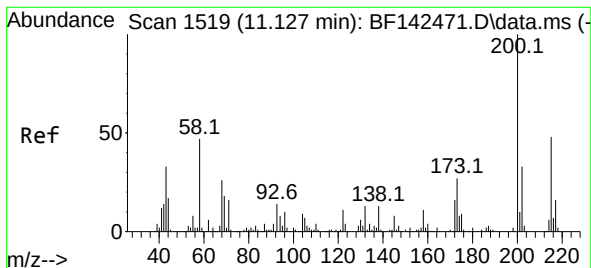
Tgt Ion:248 Resp: 192434
Ion Ratio Lower Upper
248 100
250 98.1 79.0 118.4
141 74.1 58.4 87.6



#68
Hexachlorobenzene
Concen: 43.087 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:284 Resp: 213538
Ion Ratio Lower Upper
284 100
142 29.7 24.8 37.2
249 29.1 23.6 35.4





#69

Atrazine

Concen: 47.696 ng

RT: 11.128 min Scan# 1

Delta R.T. 0.001 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

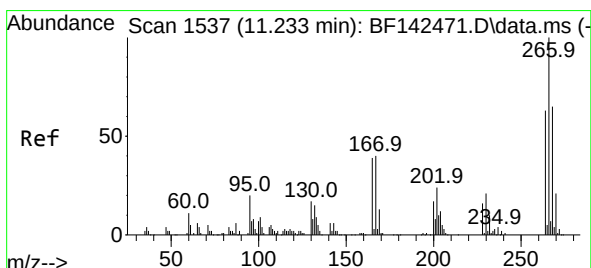
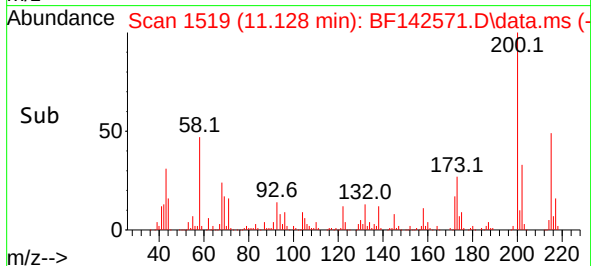
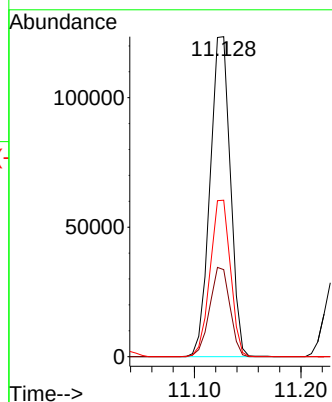
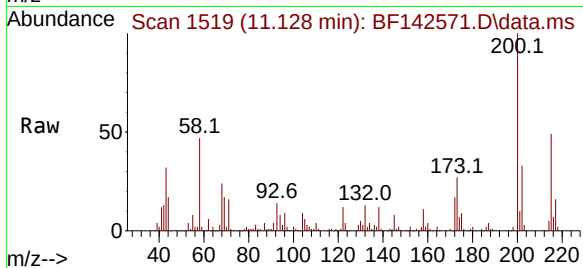
Tgt Ion:200 Resp: 164223

Ion Ratio Lower Upper

200 100

173 27.2 7.4 47.4

215 48.9 28.5 68.5



#70

Pentachlorophenol

Concen: 84.200 ng

RT: 11.233 min Scan# 1537

Delta R.T. 0.000 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

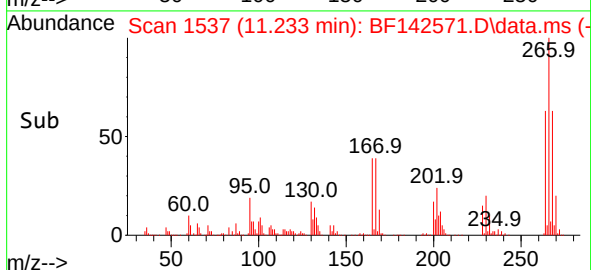
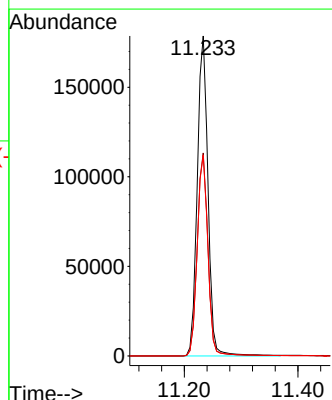
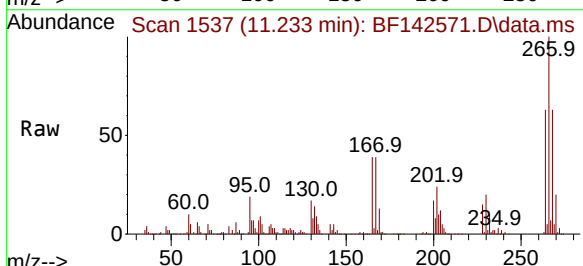
Tgt Ion:266 Resp: 235596

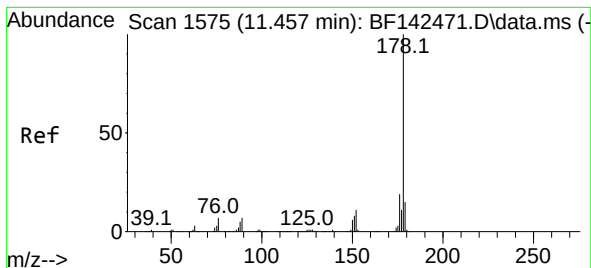
Ion Ratio Lower Upper

266 100

268 63.4 51.7 77.5

264 62.8 50.4 75.6





#71

Phenanthrene

Concen: 41.839 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

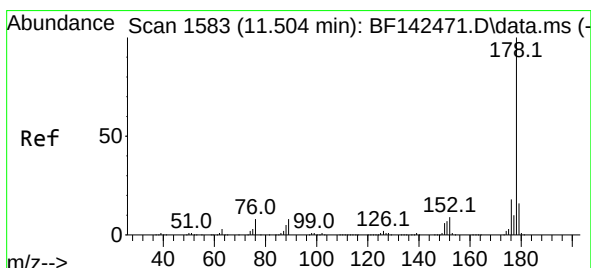
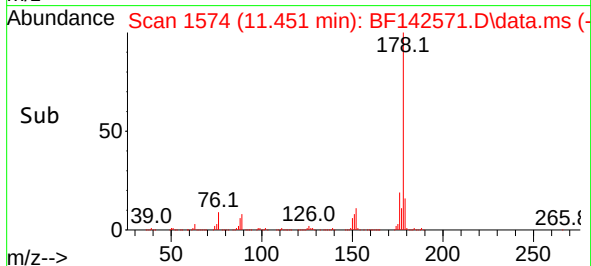
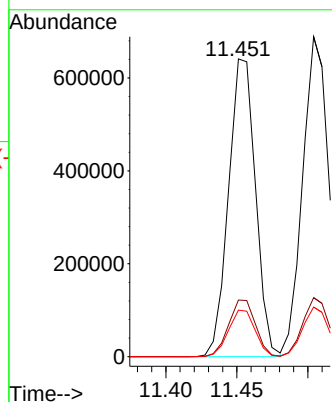
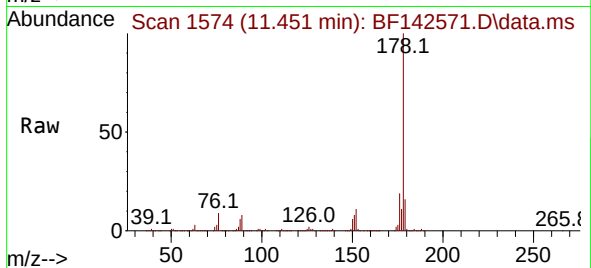
Tgt Ion:178 Resp: 847323

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.7 12.3 18.5



#72

Anthracene

Concen: 42.374 ng

RT: 11.504 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

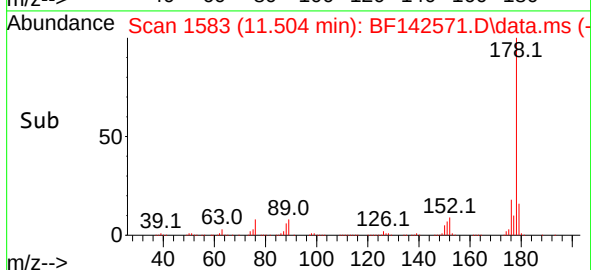
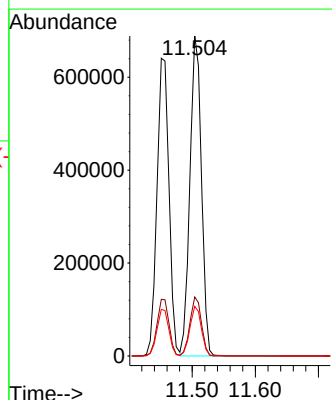
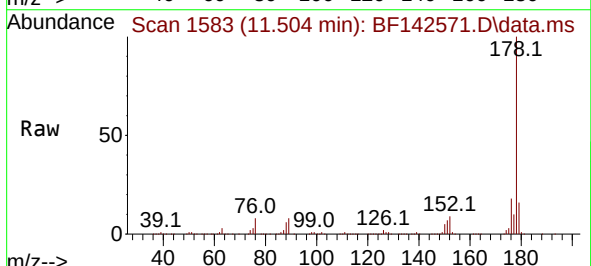
Tgt Ion:178 Resp: 875823

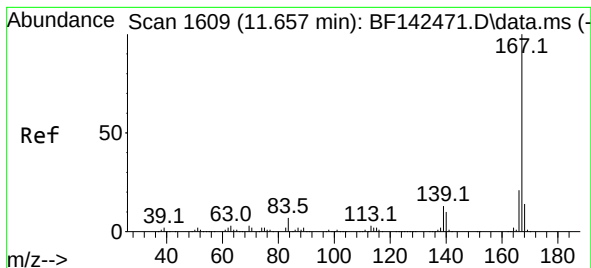
Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 15.5 12.4 18.6





#73

Carbazole

Concen: 42.000 ng

RT: 11.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

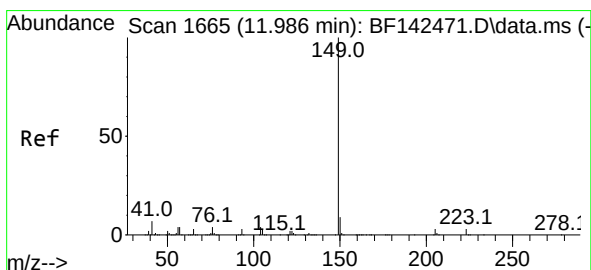
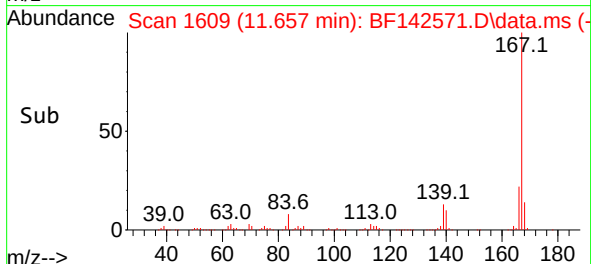
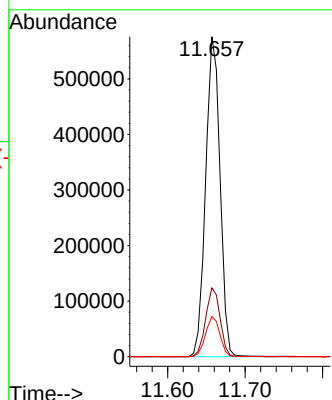
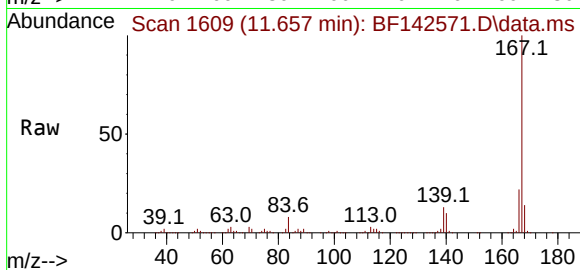
Tgt Ion:167 Resp: 742117

Ion Ratio Lower Upper

167 100

166 21.5 16.9 25.3

139 12.6 10.2 15.4



#74

Di-n-butylphthalate

Concen: 45.454 ng

RT: 11.986 min Scan# 1665

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

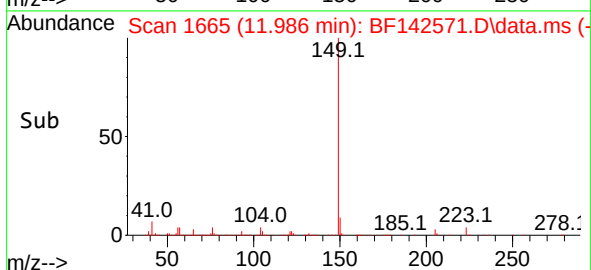
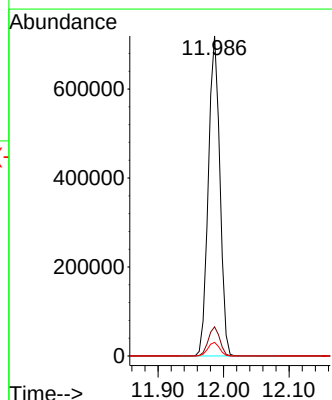
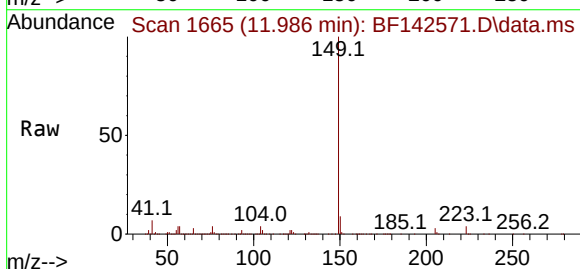
Tgt Ion:149 Resp: 879121

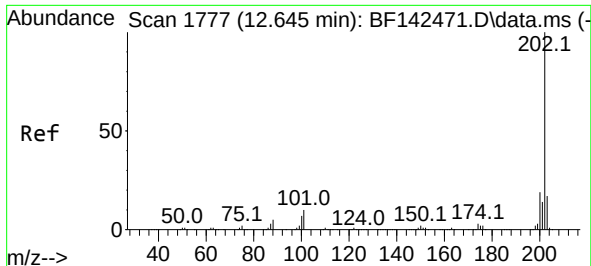
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 4.3 3.6 5.4

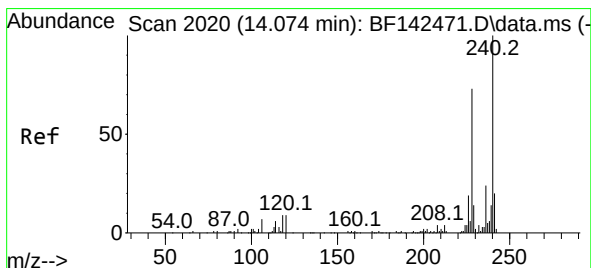
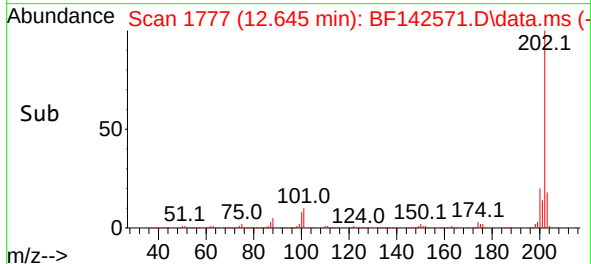
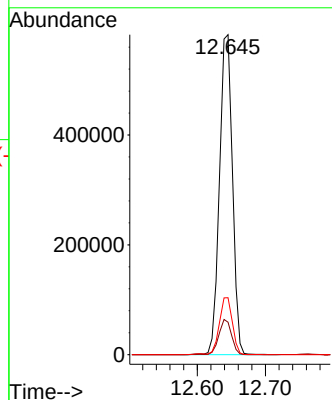
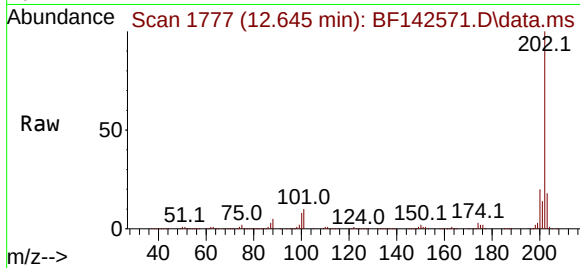




#75
Fluoranthene
Concen: 40.874 ng
RT: 12.645 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

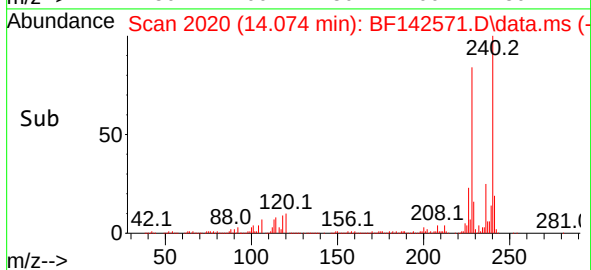
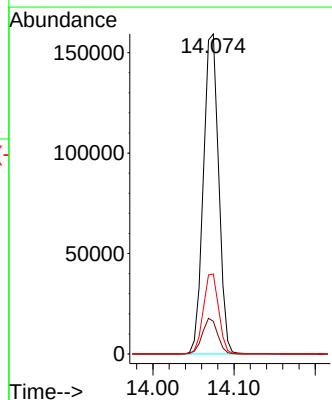
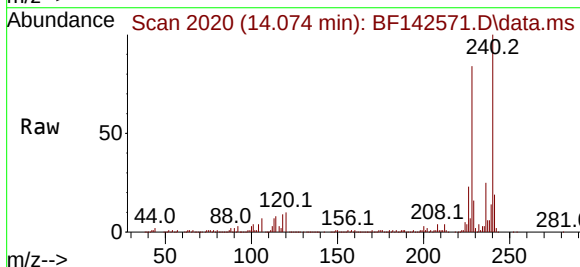
Instrument :
BNA_F
ClientSampleId :
TP-54MS

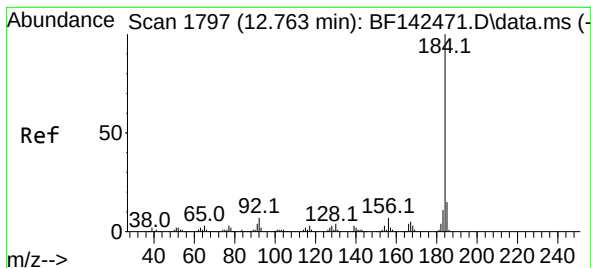
Tgt Ion:202 Resp: 773487
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.6
203 17.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:240 Resp: 208599
Ion Ratio Lower Upper
240 100
120 10.2 7.5 11.3
236 25.0 19.6 29.4





#77

Benzidine

Concen: 34.182 ng

RT: 12.763 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

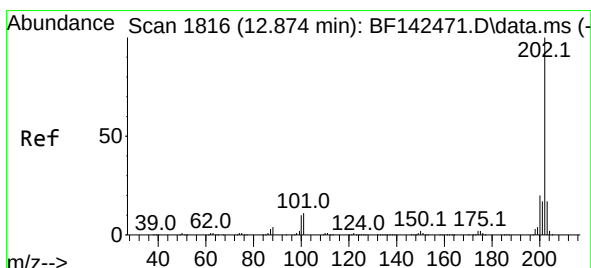
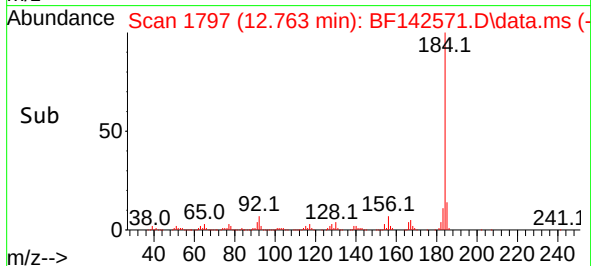
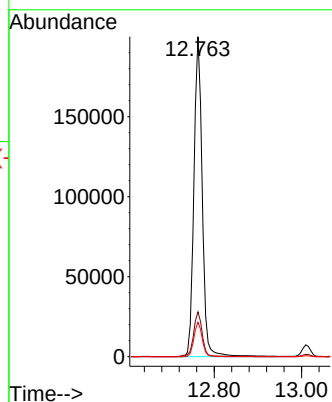
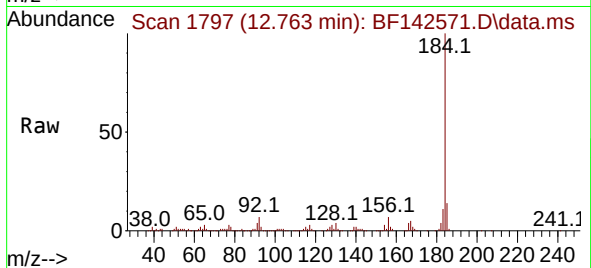
Tgt Ion:184 Resp: 265343

Ion Ratio Lower Upper

184 100

185 14.0 11.6 17.4

183 10.8 9.0 13.4



#78

Pyrene

Concen: 38.637 ng

RT: 12.874 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

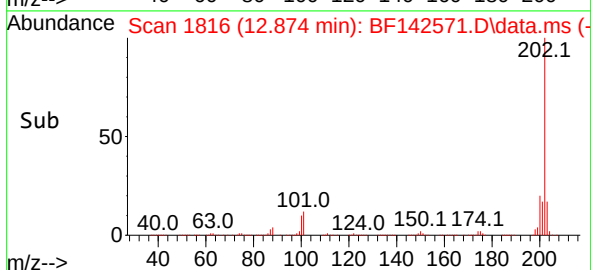
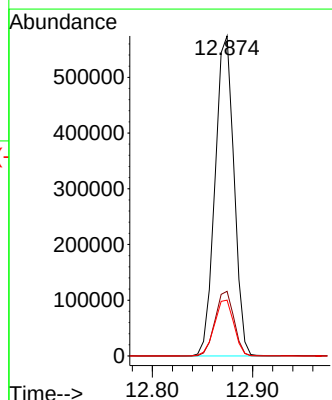
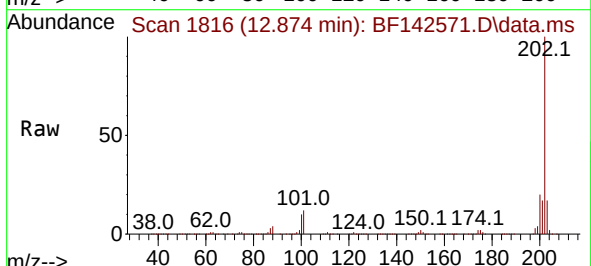
Tgt Ion:202 Resp: 751841

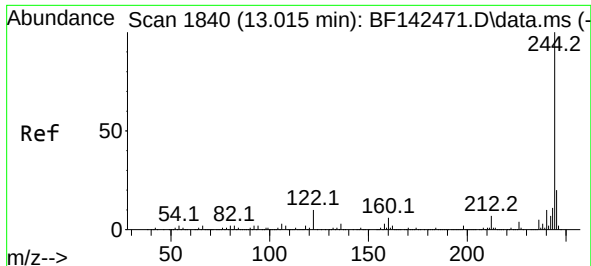
Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 17.5 13.9 20.9

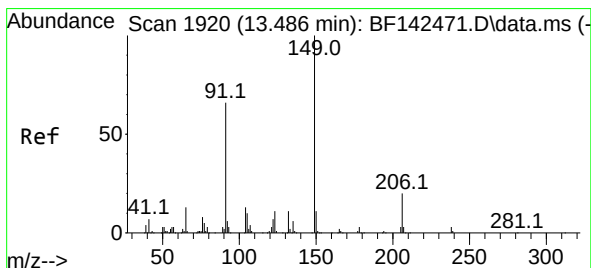
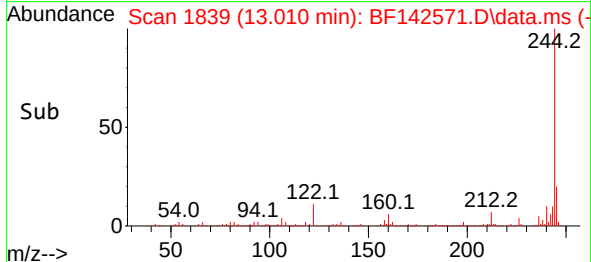
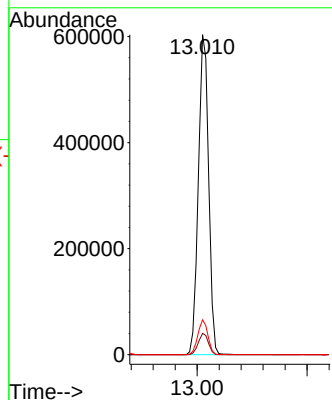
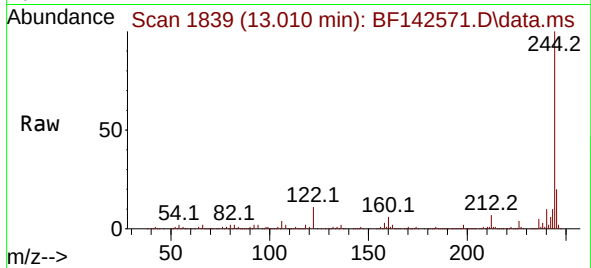




#79
 Terphenyl-d14
 Concen: 51.321 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142571.D
 Acq: 30 May 2025 15:50

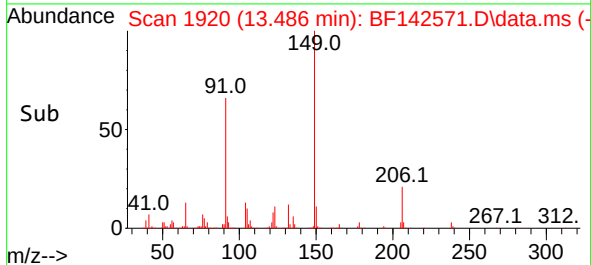
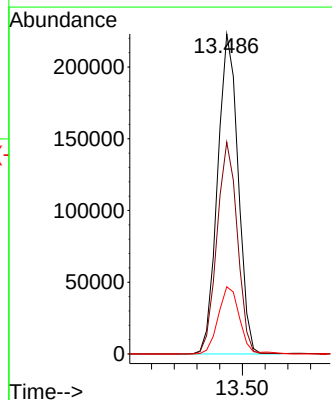
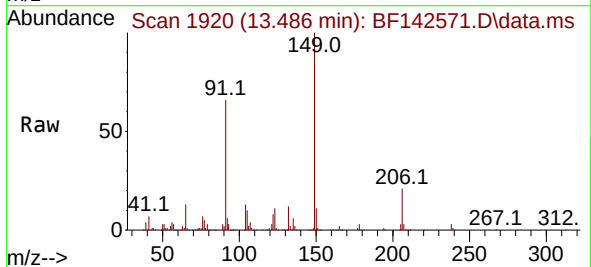
Instrument :
 BNA_F
 ClientSampleId :
 TP-54MS

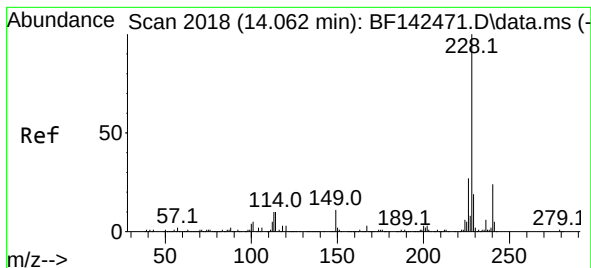
Tgt Ion:244 Resp: 783393
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.3 7.9
 122 10.9 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 52.203 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142571.D
 Acq: 30 May 2025 15:50

Tgt Ion:149 Resp: 280690
 Ion Ratio Lower Upper
 149 100
 91 66.2 52.9 79.3
 206 21.0 16.2 24.2





#81

Benzo(a)anthracene

Concen: 44.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

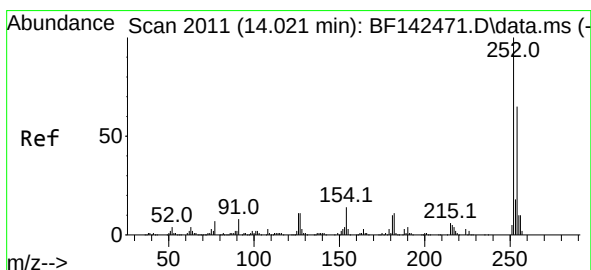
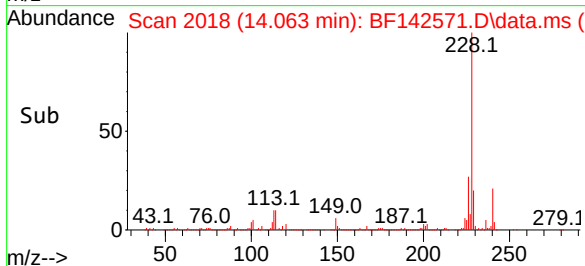
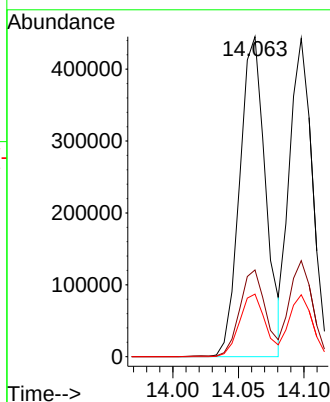
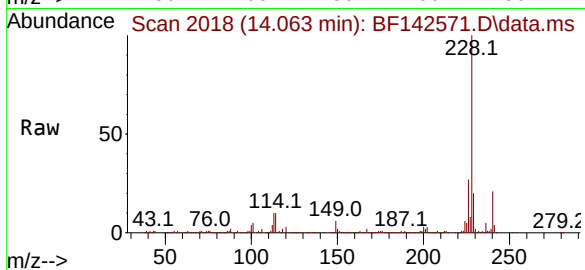
Tgt Ion:228 Resp: 612892

Ion Ratio Lower Upper

228 100

226 27.1 21.2 31.8

229 19.5 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 21.898 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

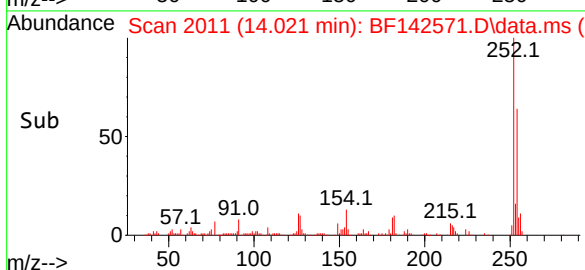
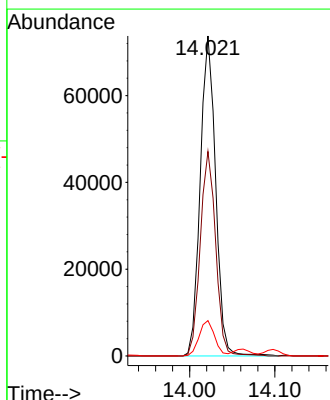
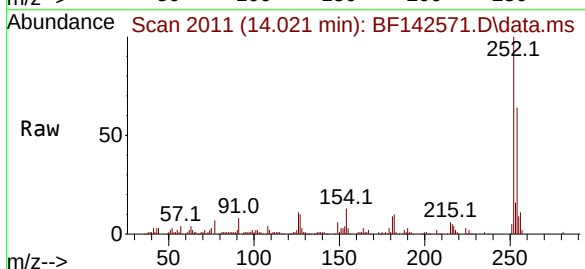
Tgt Ion:252 Resp: 92517

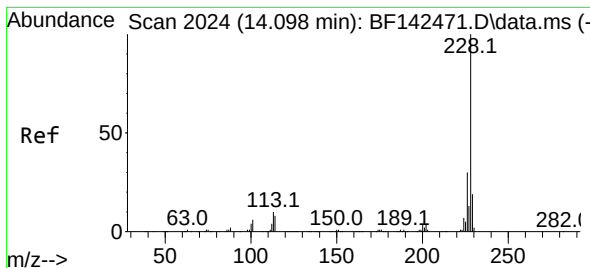
Ion Ratio Lower Upper

252 100

254 63.9 52.0 78.0

126 11.1 8.9 13.3





#83

Chrysene

Concen: 42.835 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

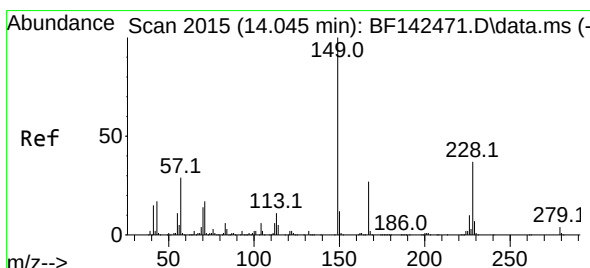
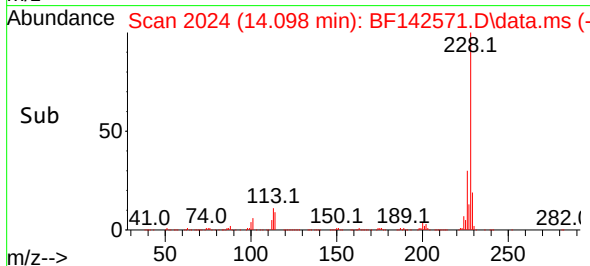
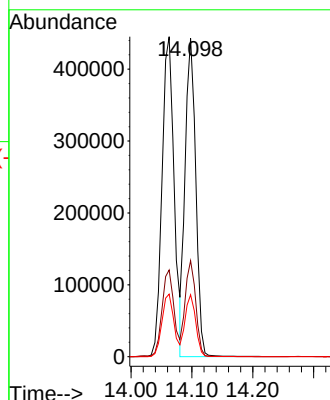
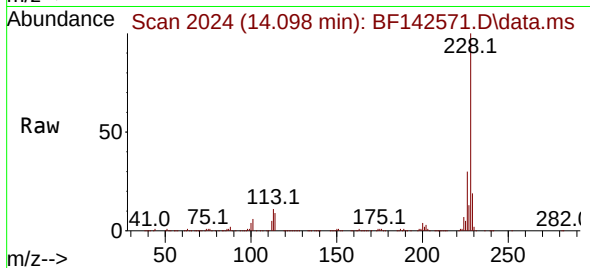
Tgt Ion:228 Resp: 536134

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

229 19.5 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.668 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

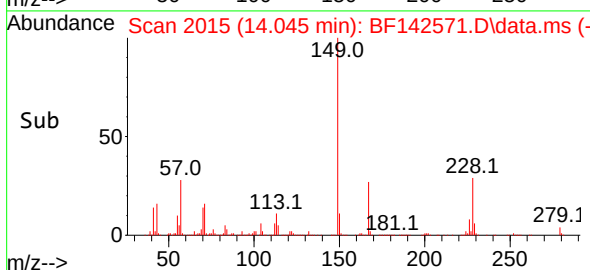
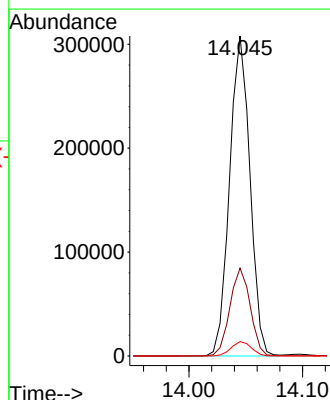
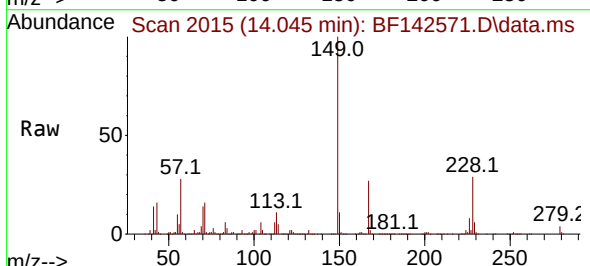
Tgt Ion:149 Resp: 383177

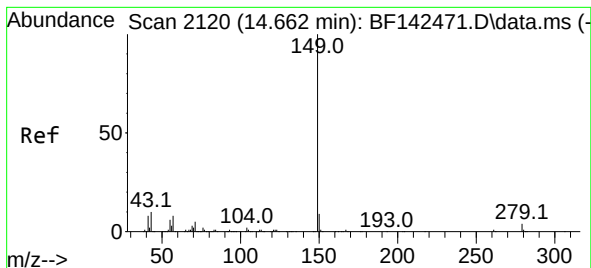
Ion Ratio Lower Upper

149 100

167 27.4 21.5 32.3

279 4.5 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 48.965 ng

RT: 14.663 min Scan# 2120

Delta R.T. -0.005 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

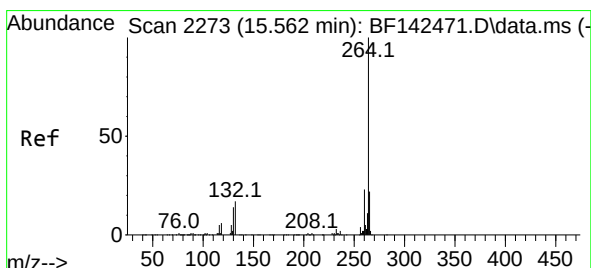
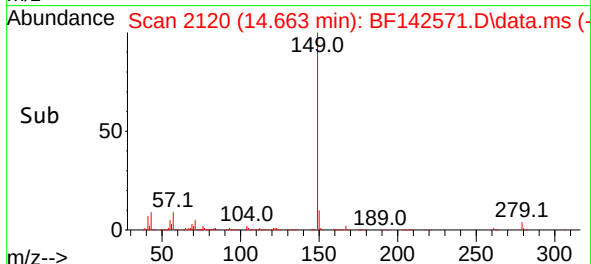
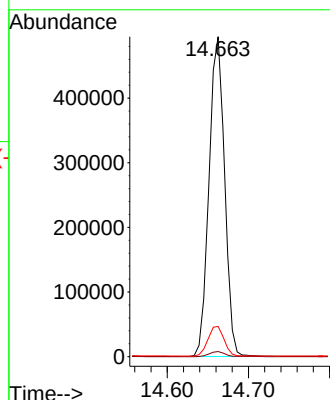
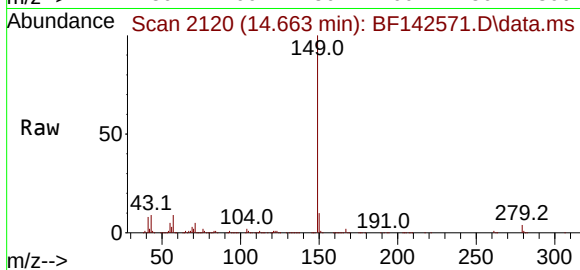
Tgt Ion:149 Resp: 659017

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 9.6 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: BF142571.D

Acq: 30 May 2025 15:50

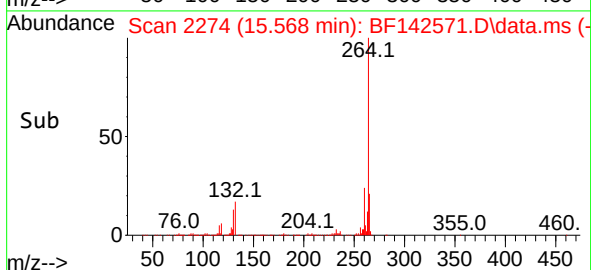
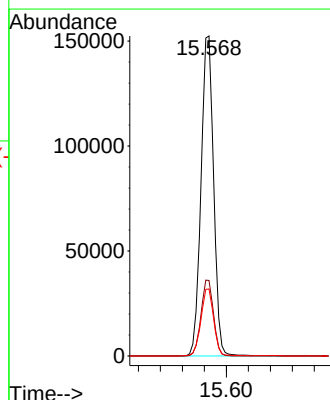
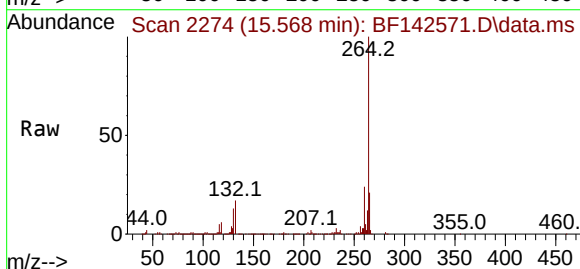
Tgt Ion:264 Resp: 243037

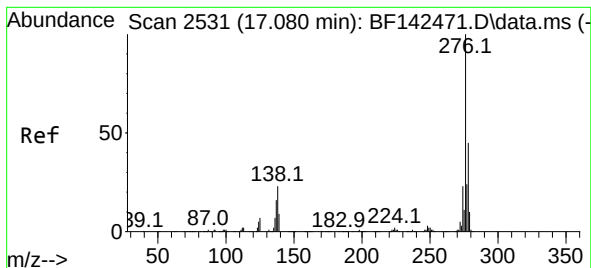
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 20.9 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.419 ng

RT: 17.086 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

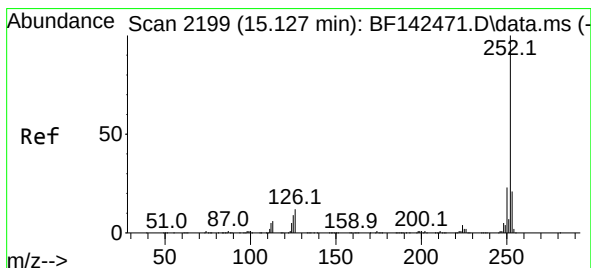
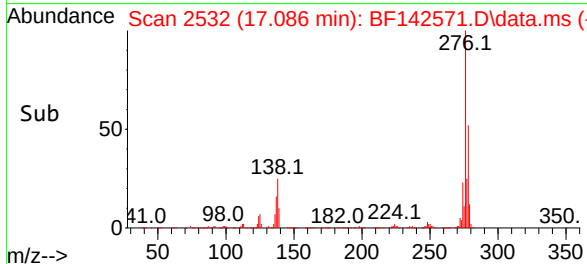
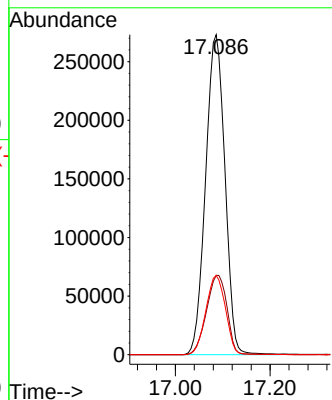
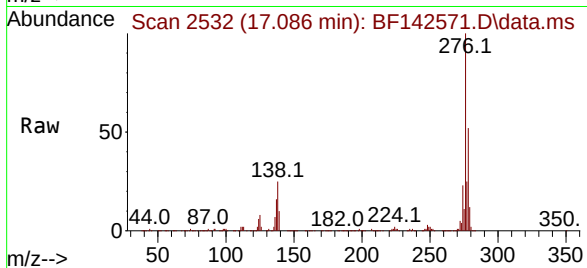
Tgt Ion:276 Resp: 773974

Ion Ratio Lower Upper

276 100

138 26.4 19.9 29.9

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 42.465 ng

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

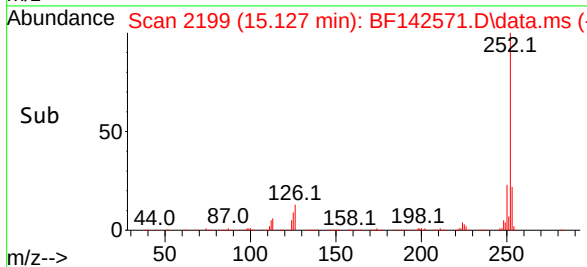
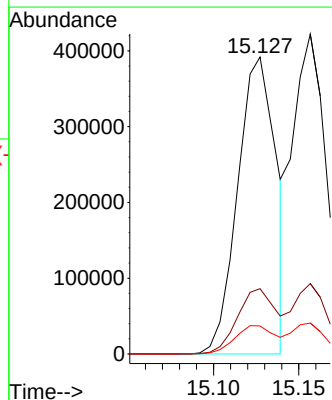
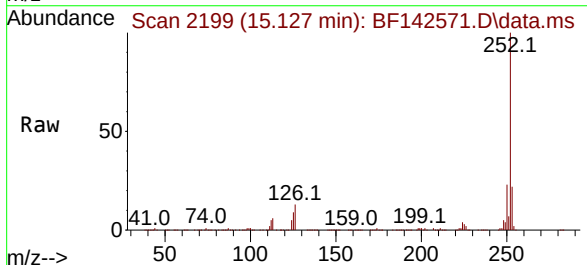
Tgt Ion:252 Resp: 610821

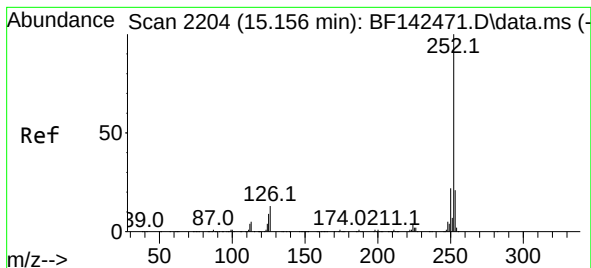
Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.4

125 9.4 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 43.147 ng

RT: 15.157 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

TP-54MS

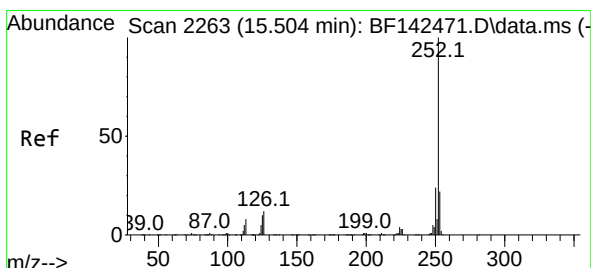
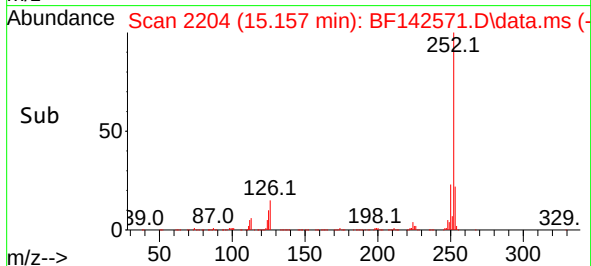
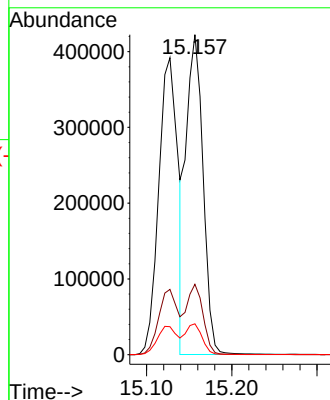
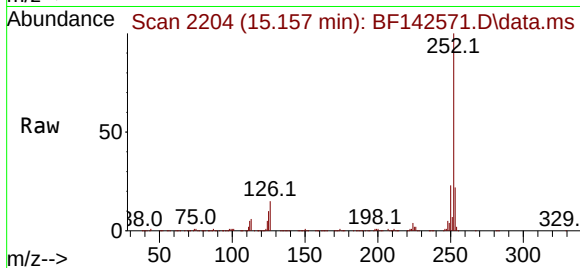
Tgt Ion:252 Resp: 581284

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.4

125 9.7 7.3 10.9



#90

Benzo(a)pyrene

Concen: 44.312 ng

RT: 15.504 min Scan# 2263

Delta R.T. -0.006 min

Lab File: BF142571.D

Acq: 30 May 2025 15:50

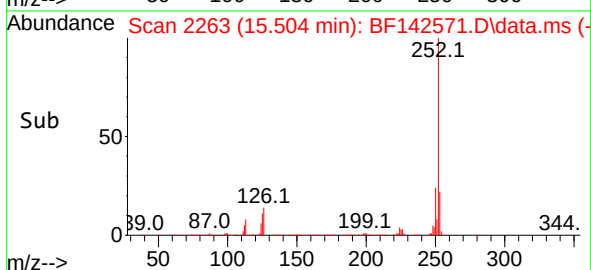
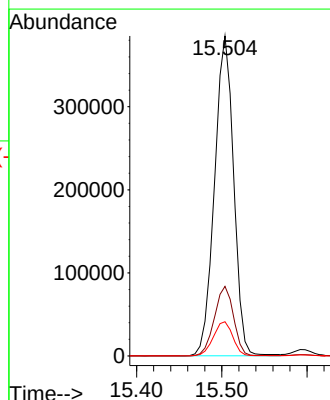
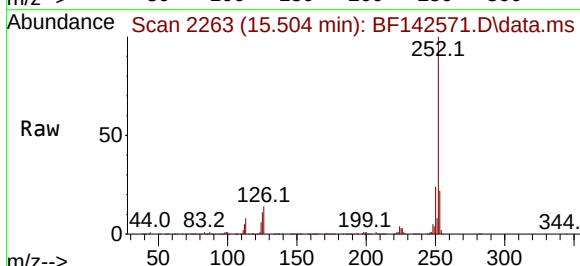
Tgt Ion:252 Resp: 600806

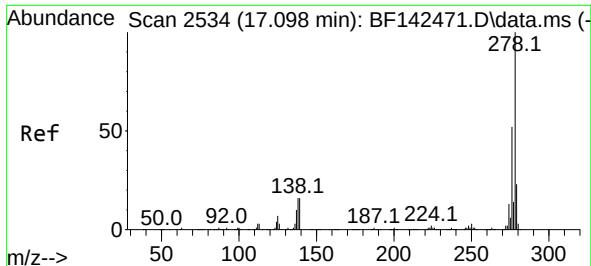
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 10.7 7.9 11.9

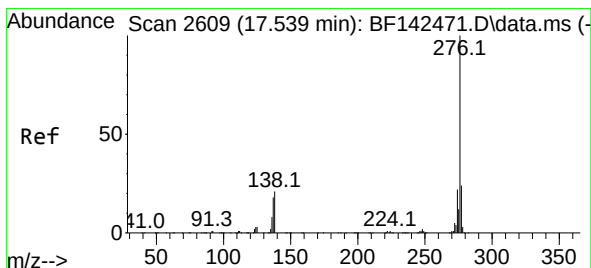
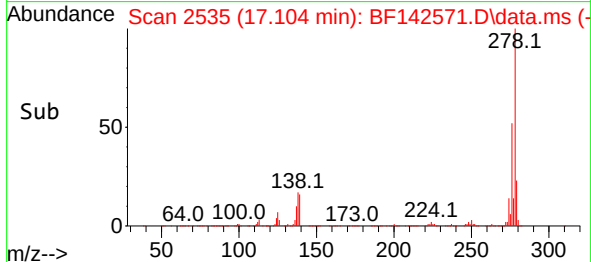
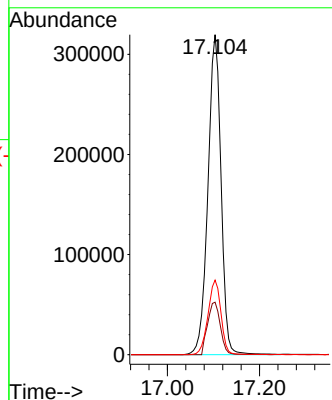
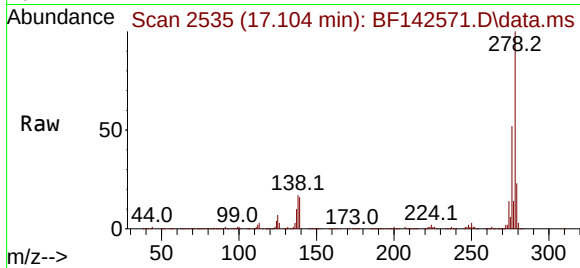




#91
Dibenzo(a,h)anthracene
Concen: 42.855 ng
RT: 17.104 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
TP-54MS

Tgt Ion:278 Resp: 634178
Ion Ratio Lower Upper
278 100
139 16.4 12.8 19.2
279 23.3 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 41.838 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BF142571.D
Acq: 30 May 2025 15:50

Tgt Ion:276 Resp: 619254
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 22.1 16.8 25.2

